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Internships during studies, projects and degree theses in cooperation with companies and organisations, as well as graduates working in various positions in Austrian and international businesses – it is largely thanks to our strong partners that our university of applied sciences is able to offer its students a high-quality education and excellent job prospects.

Our partners support FH JOANNEUM, its students and graduates.

READY...

Dear Reader,

Ready... to move forward and consider new ideas. The following pages offer not just a review of the figures, dates and facts relating to the financial and academic year 2015/2016, they also take a look at today's situation and offer a preview of tomorrow.

Ready... to face future challenges in teaching, research and continuing education. Discover what representatives of politics, management and the rector's office have to say on these topics. This year, for the first time, you can discover how we live up to our social responsibility as a university in the 2015/2016 Sustainability Report.

Ready... to continue providing students with a first-class education and further training, preparing them for successful professions and career paths. To this end we work closely with businesses in commerce and industry. Our Annual Report provides evidence of this commitment by presenting testimonials from some of our partners and students.

We hope you enjoy reading our Annual Report.

Your Editorial Team

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Dipl.-Ing. Gerhard Greiner, Partner BearingPoint, Infonova GmbH
Thomas Höller studies eHealth.

Infonova and FH JOANNEUM have enjoyed a productive partnership for years. The Styrian software development company sponsors not only an annual event for mentors and new students, but also offers internships to our students and is a dependable employer for our graduates.

Our Partner

“We are looking for the brightest minds to work with our customers, grasping the opportunities presented by innovative technologies and globalisation, and bringing these to fruition. Graduates of FH JOANNEUM stand out for their solid understanding of information technology and interdisciplinary topics.”

**Dipl.-Ing. Gerhard Greiner
Partner Bearing Point,
Infonova GmbH**

Our Student

“Infonova is seen as a pioneer in agile software development and is an attractive, reliable employer who strongly supports its staff’s professional development.”

Thomas Höller studies eHealth.



Anna Eberharter studies Journalism and Public Relations (PR).
Mag. Hubert Patterer, Chief Editor of Kleine Zeitung



Guest speakers from the media company are regular contributors to the Journalism and Public Relations (PR) degree programme. Many began their careers as the result of internships – you’ll find the names of countless FH JOANNEUM graduates in the bylines of articles both online and in print. As a partner to our university, the Kleine Zeitung newspaper is involved in both teaching and practice.

Our Student

“The Kleine Zeitung newspaper represents the link between international and regional news and is interesting because in the newsroom creativity knows no limits.”

Anna Eberharter studies Journalism and Public Relations (PR).

Our Partner

“I would describe my company as one of the top three media enterprises in the country, one that responds to the radical changes in the media world with a substantial capacity for innovation and creativity. I value greatly the mix of theory and practice at FH JOANNEUM.”

**Mag. Hubert Patterer
Chief Editor of Kleine Zeitung**



DI Christian Purrer, Spokesman of the Management Board of Energie Steiermark
Benjamin Riccabona, BSc, studies Construction Management and Engineering,
DI (FH) Mag. (FH) Martin Graf, MBA, Member of the Management Board of Energie Steiermark



Renewable energy, electric mobility and energy efficiency are all topics with which Energie Steiermark and FH JOANNEUM are intensively engaged. Our students derive great benefit from their internships at Energie Steiermark where they actively participate in designing tomorrow's energy system, apply their knowledge, and gain an insight into their future jobs.

Our Student

“Energie Steiermark represents long-term experience and stability in power supply. I regard the company as an especially interesting employer, for alongside different areas of activity it also offers good prospects for promotion.”

**Benjamin Riccabona, BSc,
studies Construction
Management and Engineering.**

Our Partners

“FH JOANNEUM is one of the most important institutions when it comes to fostering talent for Austria's economy. There are countless graduates amongst the ranks of our employees. We are persuaded by their excellent subject qualifications and high degree of social competence.”

**DI Christian Purrer
Spokesman of the Management
Board of Energie Steiermark**

**DI (FH) Mag. (FH) Martin Graf
MBA, Member of the
Management Board of Energie
Steiermark**



Marion Christina Kühr studies Production Technology and Organisation.
Georg Knill, President of the Federation of Styrian Industries (IV),
Chairman of the Supervisory Board of Rosendahl Nextrom GmbH



This leading global provider of production systems for the battery, cable and glass-fibre industry offers students the opportunity to apply their knowledge in practice while working on their degree theses and on internships. Several of our graduates from various departments have found jobs with Rosendahl Nextrom.

Our Student

“Rosendahl Nextrom is known for its innovative production methods and high quality products manufactured in a friendly working environment.”

Marion Christina Kühr studies Production Technology and Organisation.

Our Partner

“I value the practical training at FH JOANNEUM with its forward-looking course content. It is a modern, dynamic university which encourages and challenges its students. I believe it is important that our employees are interested and committed.”

**Georg Knill
President of the Federation
of Styrian Industries (IV),
Chairman of the Supervisory
Board of
Rosendahl Nextrom GmbH**



Kevin Schwender studies Physiotherapy.
Barbara Bäck, MBA, Coordinator of Allied Health Professions at KAges
Univ. Prof. Dr. Karlheinz Tschellessnigg, CEO of KAges (Styrian Hospital Association)



The staff of each KAGes hospital include graduates of FH JOANNEUM. Most have studied at our Department of Health Studies, although some IT graduates from the Institute of eHealth and other specialist staff also currently work at KAGes, one of Styria's leading healthcare institutions.

Our Student

“KAGes covers many areas in which one can work as a physiotherapist, making a varied professional career possible.”

**Kevin Schwender studies
Physiotherapy.**

Our Partner

“It is important to us that we meet the constantly growing challenges and range of specialisations by designing a model for specialist training in the allied health professions.”

**Barbara Bäck, MBA
Coordinator of Allied Health
Professions at KAGes**

Our Partner

“FH JOANNEUM graduates have completed a modern education which reflects the nature of the relevant profession.”

**Univ. Prof. Dr. Karlheinz
Tscheliessnigg
CEO of KAGes
(Styrian Hospital Association)**

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HR Dr. Wolfgang Muchitsch, Director of Universalmuseum Joanneum GmbH
Josephine Hetkamp, BA, studies Exhibition Design.



The Universalmuseum Joanneum is connected to us not only by name. Design students at FH JOANNEUM develop exhibition plans and organise their installation, from the initial idea right through to their subsequent dismantling. One of our basic principles is to plan as well as to implement, and joint exhibitions with the Universalmuseum Joanneum allow us to put this principle into practice.

Our Partner

“The Universalmuseum Joanneum is an important cultural institution as well as a major non-university research and training institution in Styria. I value the existing partnership and cooperation between our two institutions, and appreciate the practical nature of the training offered at FH JOANNEUM.”

**Hofrat Dr. Wolfgang
Muchitsch**
Director of Universalmuseum
Joanneum GmbH

Our Student

“In my opinion the Universalmuseum Joanneum represents diversity. The exhibitions are well considered, have modern designs, and each individual museum has its own character. The Universalmuseum Joanneum is also an interesting workplace because the staff there, like me, do their jobs with enthusiasm and passion.”

Josephine Hetkamp, BA
studies Exhibition Design.



DI (FH) Andreas Gerstenmayer, CEO AT&S
Michael Schütz studies Electronics and Computer Engineering.



AT&S is not only a research partner to FH JOANNEUM, but also supports initiatives to promote tomorrow's engineers. The AT&S grant for excellence in electronics, for example, offers the most gifted electronics student not only financial support but also the opportunity to complete an internship with the company.

Our Partner

“We are constantly on the lookout for ambitious young talent wishing to put their ideas into practice and actively help to design tomorrow's technology. Students from FH JOANNEUM come with the qualifications they need to contribute to the success of international companies like AT&S.”

DI (FH) Andreas Gerstenmayer
CEO AT&S

Our Student

“The business is known for its high quality products, made in Austria, and innovative technologies. AT&S is a name recognised throughout the world.”

Michael Schütz studies
Electronics and Computer
Engineering.



Dr. Friedrich Santner, CEO Anton Paar GmbH
Julia Wetschnig studies International Management.

For many years this developer and manufacturer of precision laboratory equipment has been a partner of co-op degree programmes at our university. Anton Paar offers students from various departments at FH JOANNEUM the opportunity to apply their interests and talents, whether through internships, projects or later as graduates.

Our Partner

“FH JOANNEUM graduates are very thoroughly trained, enabling them to start contributing to the company immediately. We need employees who bring the greatest possible range of talents and apply them in the business.”

Dr. Friedrich Santner
CEO Anton Paar GmbH

Our Student

“Anton Paar symbolises innovation, quality and success. Staff are offered the support they need.”

Julia Wetschnig studies
International Management.



Anna Eberharter studies Journalism and Public Relations (PR).
Mag. Eberhard Schrempf, Managing Director Creative Industries Styria



Cooperation between the FH JOANNEUM Institutes of Design & Communication and Product & Transport Design with Creative Industries Styria is driving innovation in Styria's creative scene. Every year students work on projects for Designmonat Graz, and the Industrial Design Exhibition is held annually as part of designforum Steiermark.

Our Student

“Creative Industries Styria is known for innovation, creativity and the courage to go one's own way. Daily life here is just as exciting as Styria's creative industry.”

**Anna Eberharter studies
Journalism and Public
Relations (PR).**

Our Partner

“We value the fact that FH JOANNEUM graduates immediately apply the abilities and the skills they have acquired. They work constructively with a focus on finding solutions, while at the same time bringing a fresh and forward-thinking approach to the business.”

**Mag. Eberhard Schrempf
Managing Director
Creative Industries Styria**



Julia Wetschnig studies International Management.
 Kathryn List, Managing Director AVL Cultural Foundation GmbH

The aims of the AVL Cultural Foundation are to link science and art, particularly by supporting young people, enriching arts and culture and expanding interdisciplinary knowledge. Together with our students, the university as a whole entirely identifies with these aims and this vision. A partnership with a future.

Our Student

“The AVL Cultural Foundation builds bridges between science and cultural projects – you never stop learning here.”

**Julia Wetschnig studies
International Management.**

Our Partner

“The AVL Cultural Foundation encourages exchange and cooperation between science, technology and art. That’s why we are pleased to be a FH JOANNEUM partner. The graduates are well qualified and demonstrate excellent social and intercultural skills.”

**Kathryn List
Managing Director AVL
Cultural Foundation Gmbh**

Styria on its way to becoming Europe's top innovation region.



“A key objective of the Regional Government is to increase Styria’s already excellent research and development intensity to 5% by 2020. That’s why I would like to further strengthen the working relationship between businesses and research institutions. As an important driver of innovation in Styria, FH JOANNEUM plays a crucial role in this initiative.”

MMag.^a

Barbara Eibinger-Miedl
Regional Minister for Science
and Research

We are ready to focus on sustainability as a university strategy.



“Sustainability forms an integral part of our university. We’ve also integrated it into our mission statement and our ‘Hands On 2022’ strategy for the future: we live and breathe sustainability in research, teaching and continuing education and are committed to continuously improving our performance in this field.”

**KoR Mag. Dr.
Günther Witamwas
Chairman of the Supervisory
Board of FH JOANNEUM**

We are ready to expand our national and international networks.



“We work closely with business, industry and other universities at a national and international level, and encourage the exchange of knowledge to the benefit of all. As we grow our network will extend, providing added value to our university as well as to our team, our students and our graduates.”

**o. Univ.-Prof. DI Dr.
Karl Peter Pfeiffer
Rector and Director of
FH JOANNEUM**

We are ready to teach digitalisation as an interdisciplinary topic.



“As an innovative university we see it both as a challenge and a duty to prepare the students on our courses for the transition to digital, information and communications technology processes resulting from the digital transformation.”

FH-Prof. DI Werner Fritz
Vice-Rector of FH JOANNEUM

Highlights. Awards. Prizes.

AUGUST 2015

Hansgrohe Design Prize

Industrial Design students [Jenny Gebler](#), [Marian Masegg](#) and [Clara Fessler](#) developed a pop-up bath as part of a project on "Efficient Water Design: Small Space – Big Shower Pleasure" at FH JOANNEUM. Their innovative concept for a foldable bathroom won the Hansgrohe Design Prize 2015 by iF. The winners received 1,250 euros in prize money.

Red Dot Awards 2015

No less than six former Information Design students of FH JOANNEUM were awarded a Red Dot Award by an international jury:

[Lisa Gaugl](#) is a publisher, art director, photographer, author and editor all rolled into one. As part of her Bachelor's thesis, she designed and produced the "NÚ – Magazin Kreativer" (NÚ – Magazine of Creatives). The Wollwerk start-up works with German shepherds. The central values of sustainability and environmental friendliness are conveyed by the logo designed by [Valentin Peter Eisele](#) as part of his Bachelor's thesis. The traditional technique of dry-point etching emphasises the high quality of the product. Both designs received the Red Dot Award in Communication Design.

[Michael Hollinger](#), [Markus Karlseder](#) and [Thomas Thurner](#) focus on digital storytelling. All three work with Mindconsole, a studio for visual communications which also received the Red Dot Award in the category of Communication Design. [Simon Lemmerer](#) was awarded the coveted Red Dot: Best of the Best award. His work focuses on typography. Working with a colleague, he used old instruments and music equipment for his installation. They were used to form "t & t", a visual concept for the new album "This & That" by musicians Bam & Mr. Dero.

AT&S Excellence Grants 2015

Studying Electronics and Computer Engineering at FH JOANNEUM is a challenge. Students [Gerald Ferner](#), [Christian Fragner](#) and [Michael Schütz](#) are mastering this challenge with great success and were rewarded with AT&S excellence grants for electronics. The grant aims to promote and support the most promising students on the Electronics and Computer Engineering degree programme.

ÖZIV Media Awards 2015

[Julia Slamanig](#), graduate of Journalism and Public Relations (PR) at FH JOANNEUM, won an honourable mention in the ÖZIV Media Awards in August 2015 for her report about a girl coping with serious illness and her family.

SEPTEMBER 2015

FOPI Innovation Award 2015

Two FH JOANNEUM graduates received the FOPI Innovation Award for their work on current healthcare topics. On 7 September the award was presented for the second time to students of universities of applied sciences. eHealth graduate [Bernadette Spieler](#) and [Sandra Hartmann](#), graduate of Health Management in Tourism, impressed the jury with their practical work. The Forum for the Pharmaceutical Research Industry in Austria (FOPI) presents the Innovation Award for novel ideas to foster young talent in healthcare research.

Austrian Annual Report Award (AAA)

The business magazine "trend" each year presents the Annual Report Awards to Austria's best publications in this field. As in the previous year, FH JOANNEUM was again amongst the winners, taking third place in the category "unlisted companies". First place went to WEB Windenergie AG, followed by Austrian Federal Railways (ÖBB).

joanneum racing graz takes overall win in Italy

The Weasels, FH JOANNEUM's student racing team, crowned its most successful Formula Student season ever with an overall win in Italy in 2015. The [joanneum racing graz team](#) stormed the victor's podium with four wins in the individual disciplines and a new team record of 948 out of 1,000 possible points.

OCTOBER 2015

Siegfried Wolf Young Talent Award 2015

[Mira Lantos](#), [Georg Reiter](#) and [Thomas Kenyeri](#) are the three winners of the Siegfried Wolf Young Talent Award 2015. The awards were handed over by the top manager personally: [Siegfried Wolf](#) presented the awards in the categories "High Potential" and "Ambassador" on 30 October as part of the graduation ceremony of the FH JOANNEUM Master's degree programme in Health Management in Tourism.

"Young talent is our country's greatest potential, our hope for the future," says top manager Siegfried Wolf, explaining why he supports the prize winners.

NOVEMBER 2015

GRAWE High Potential Award 2015

In November, the best graduates of the Institutes of International Management, Banking and Insurance Industry and Internet Technologies & Applications were again presented with the GRAWE High Potential Awards. The awards were handed over as part of the graduation ceremonies at FH JOANNEUM Graz and Kapfenberg.

[Wolfgang Thelesklav](#), Head of Human Resources at Grazer Wechselseitige, presented the coveted awards to [Kathari-](#)

na Preimel, Christina Weiß and Verena Stierschneider in Graz. On 13 November Sabrina Gruber, Martin Haring, Johannes Neger and Franz Platzer received their awards in Kapfenberg.

Controlling Newcomer Award 2015

The International Controller Association in Berlin presented this year's Controlling Newcomer Award to Bettina Schoberegger, FH JOANNEUM graduate of International Industrial Management. The prize-winning degree thesis on "Goal conflicts in Working Capital Management - optimisation of internal and external logistics processes through improved interaction" was supervised by head of Institute Martin Tschandl.

Dr. Rudolf Bohmann Award 2015

Lukas Matzinger received the Dr. Rudolf Bohmann Award for young journalists which is presented by the Austrian Magazine Publishers' Association ÖZV.

The graduate of the FH JOANNEUM programme in Journalism and Public Relations (PR) received the honorary prize of 2,000 euros for his touching report "Do you like me?", which describes relationships and interactions with severely disabled people.

Research Award of the City of Graz 2015

Vanessa Moosbrugger was awarded the Ing. Friedrich Schmiendl Research Award presented by the City of Graz for her Master's thesis on 10 November. The graduate of the Aviation programme at FH JOANNEUM received the award for young researchers in recognition of her degree thesis on innovative combustion systems in aviation. The award prize money is 1,500 euros.

European Youth Press Award 2015

Christoph Schattleitner's report on Austrian intelligence services was selected as the best article on the topic of media freedom. The graduate of the Journalism and Public Relations (PR) programme of FH JOANNEUM was presented with the European Youth Press Award during the

European Youth Media Days 2015, a three-day event held in Brussels

MTD Innovation Award 2015

An interdisciplinary team at FH JOANNEUM's Health Perception Lab (HPL) examines potential indicators for early childhood obesity as part of a study launched in 2014. The HPL team won the MTD Innovation Award 2015 for their research. The pilot study involves the Institutes of Biomedical Science, Dietetics and Nutrition, and Midwifery.

WACE: Hall of Fame 2015

Leonhard Rechberger, graduate of FH JOANNEUM's co-op Bachelor's degree programme in Production Technology and Organisation was inducted into the Hall of Fame by the World Association of Cooperative Education (WACE). The WACE each year confers this honour to people who pursue an exceptional professional career after completing cooperative education.

Prize-winning short film

Oliver Meyer, student of Communication, Media, Sound and Interaction Design at FH JOANNEUM, received a prize for his short film "ÜberLeben" on the occasion of the commemorative year 2015.

The competition entitled "1945/2015" focused on the legacy of Nazi crime in Styria in the context of the present. A total of three short films received prizes from the Institute of Art in Public Space and ORF Steiermark.

New Star Award 2015

Students Werner Huber, Roland Mariacher and Attila Primus from the FH JOANNEUM Institute of Design & Communication won the New Star Award in the "Students" category of the Shenzhen Design Award for Young Talents. They received the prize worth 5,000 US dollars for their project MO:YA VISUALS, which focused on industrial design and augmented reality.

WKO Research Grant 2015

Carina Marbler, graduate of the Master's degree programme in Health Management in Tourism, was awarded a research grant by the Styrian Economic Chamber (WKO) at the end of November 2015. She will receive financial support for the implementation of her degree thesis entitled "Motivation for health-promoting behaviour in inpatient rehabilitation - a panel study".

Grants also went to Automotive Engineering student Christoph Haidinger, and Florian Gunacker, student on the Business in Emerging Markets programme. In his degree thesis Florian Gunacker examines the effects of the Russian economic sanctions on the European agricultural sector. The prize-winning Master's thesis of Christoph Haidinger deals with the advantages of pressure wave superchargers over turbochargers.

The WKO research grants are awarded each year for Master's and Diploma theses on business-relevant topics. The grant holders are selected by a jury of ten representatives from academia and industry.

Teaching Awards 2015

The FH JOANNEUM Teaching Awards were presented as the highlight of the Teaching Day on 17 November. The following lecturers were awarded for their innovative teaching and learning methods: Wilhelm Zugaj, Institute of Internet Technologies & Applications, Matthias Theissing, Institute of Energy, Transport and Environmental Management and Institute of Industrial Management, Bernd Messnarz, Institute of Aviation, Barbara Fischer, Institute of Midwifery, Martin Neubauer, Institute of International Management, and Christoph Marek, Institute of Design & Communication. The Teaching Award Plus, a special award for innovative concepts of performance assessment, went to Lisa Zimmermann from the Institute of Information Management.

DECEMBER 2015

CHE University Ranking

The IT students at German-speaking universities assessed their study conditions in the CHE University Ranking. The FH JOANNEUM Master's degree programmes IT & Mobile Security and IT Law & Management received excellent ratings. Students valued in particular the supervision and support provided by the two programmes, their IT infrastructure, course portfolio, overall study conditions and career-related teaching.

The CHE University Ranking is the most comprehensive student survey at German-speaking universities.

ERASMUS+ Award 2015

The Tandem Cookbook published by the Department of International Relations won an ERASMUS+ Award presented by the National Agency for Lifelong Learning in the category "Higher Education". The cookbook features recipes by participants of the FH JOANNEUM Tandem Programme and Rector Karl Peter Pfeiffer. The collection of recipes from around the world brings a taste of international cuisine to the Styrian university.

FEBRUARY 2016

iF DESIGN AWARD

FH JOANNEUM's Annual Report 2013/2014 won the iF DESIGN AWARD 2016 for its extraordinary, concise and creative design. This combination brought the Styrian university the top place in the "Communication" discipline of the "Annual Reports" category in this international design award.

MARCH 2016

Health Research Award 2016

The Austrian Network of FH Courses in Health Management presented the Health Research Awards during the Austrian Health Management Congress for the fifth time. Theresa Gorzalka, a graduate of the Health Management in Tourism

programme, secured first place in the "Health Care Management" category with her degree thesis entitled "Role-related Challenges for Newly Appointed Managers: a Qualitative Interview Study on Internal Team Promotion in Inpatient Care".

The Health Research Award was supported by the Forum for the Pharmaceutical Research Industry in Austria (FOPI), Social Insurance for Trade and Industry (SVA), the Vinzenz Group and the Austrian Economic Chamber (WKO).

Gold for degree programmes of the Department of Management

On 16 March, FIBAA Managing Director Birger Hendriks awarded the prestigious FIBAA Premium Seal to the degree programmes International Management, Business in Emerging Markets, and International Industrial Management.

The entire Department of Management - including the above degree programmes plus the Bachelor's degree programme in Industrial Management and the Institutes of Health and Tourism Management and Banking and Insurance Industry - additionally received the FIBAA Quality Seal for Institutional Strategic Management Accreditation.

FIBAA, an internationally oriented agency for quality assurance and quality development in higher education, awards quality seals to high-quality educational programmes and education providers.

APRIL 2016

First place in PROteINSECT Engineering Competition

Simon Schantl, student of Sustainable Food Management, is the winner of the PROteINSECT Engineering Competition. The competition sought innovative ideas for a drying facility for maggots. The prize-winning ENTODRYA concept developed by Simon Schantl is based on a drum dryer. The maggots are crushed and dried using a rotating drum. The maggots can then be

packaged at room temperature and have a long shelf life.

Nestlé Health Science Award 2016

The Nestlé Health Science Award recognises special achievements by young researchers in the fields of nutrition and nutritional therapy. Two FH JOANNEUM graduates won first place with their degree theses.

Petra Lehner studied Dietetics and Nutrition and gained first place in the Bachelor's thesis category with her thesis on the topic of "Contamination of gluten-free cereal products in gluten-free nutrition in coeliac disease". First prize in the Master's thesis category went to Anna Auer, who graduated from the Master's course in Applied Nutrition Medicine and now lectures at FH JOANNEUM, for her thesis on "The low FODMAP diet as a nutritional therapy to treat gastrointestinal symptoms in hospital patients with irritable bowel syndrome".

TOURISSIMUS 2016

On 14 April Austria's best degree theses in the field of tourism received the TOURISSIMUS 2016 awards. The prize-giving ceremony for the tourism research awards took place at FH JOANNEUM Bad Gleichenberg. Lisa Bauer, student of Health Management in Tourism, was among the winners in the category "Sustainability".

Design Build Fly competition 2016

Seventh place among eighty teams: the result of joanneum aeronautics speaks for itself. The FH JOANNEUM student team was the best European team in the international Design Build Fly competition held in Kansas, USA. The competition was organised by the American Institute of Aeronautics and Astronautics (AIAA).

HUAWEI 2016

FH JOANNEUM students Lukas Thaler, Magdalena Mauthner, Dominik Kaiser and Michael Rizzi took off to China for two weeks on 15 April. They were among the prize-winners of the Huawei student competition. The competition provided the

opportunity to apply for an educational trip by writing an essay on a specific topic.

The award ceremony took place at Vienna City Hall on 7 April: Mayor [Michael Häupl](#) and [Jay Peng](#), Managing Director of Huawei Austria, presented the awards to the winners.

iF Student Design Award 2016

FH JOANNEUM Industrial Design students convinced the iF jury with modern design strategies on the topic of smart mobility.

Award-winners [Alexander Knorr](#) and [Florian Blamberger](#): The project "Schaeffler Essenz" was developed together with Schaeffler AG. The vehicle is a cost-efficient pedelec for daily use in urban environments in all weather conditions.

Award-winner [Benjamin Loinger](#): The electric mobility concept KTM Delta was created as part of the semester project "Move Extreme", which focused on developing new motorcycle concepts. It convinces with a lightweight carbon roving monocoque frame and enough suspension to overcome all obstacles in the city.

The iF Student Design Award is one of the most renowned and largest young talent competitions worldwide. Prize money is awarded to the most intelligent and innovative concepts developed by students.

Bavarian Press Academy Award

[Lukas Kapeller](#), a graduate of Journalism and Public Relations (PR), was the first Austrian journalist to be presented with the Bavarian Press Academy award for reporting. He received the award for his report entitled "Geile Zeit", which appeared in the Süddeutsche Zeitung newspaper.

In looking at the aging actors and directors of early German sex films, Lukas Kapeller approached the subject with sensitivity and devoid of sarcasm, said [Detlef Esslinger](#), Deputy Political Editor of Süddeutsche Zeitung, who presented the prize.

MAY 2016

Sustainability Award 2016

79 entries, 21 universities and eight award winners – and FH JOANNEUM is the only Austrian university of applied sciences among this year's winners: the [Sustainable Food Management](#) degree programme took home first place in the "Structural Implementation" category.

The Sustainability Award has been presented by the Austrian FORUM Umweltbildung since 2008. It puts the spotlight on sustainable initiatives aimed at economic, ecological and social balance. A jury made up of five leading figures from science and society selected the winners in eight fields of activity.

voll.Holz project – wood is ingenious

FH JOANNEUM students were very successful in the pro:Holz Student Trophy 2016 in Graz. The competition required the students to submit a design for a tower-like viewing platform for Graz. The Construction Design and Economics team took second place behind a team from Graz University of Technology. The wooden tower designed by [Markus Steger](#), [Christian Königshofer](#), [Roman Freistätter](#) and [Andreas Maierhofer](#) as part of the "voll-Holz" project impressed the jury with its "interesting appearance and well thought out knot system in the form of wood-only joints. The unique innovation lies in this detail." The successful design was created in a collaboration of students from the Architecture and Construction Engineering specialisations (supervised by [Markus Wallner-Novak](#)). Recognition awards went to another three FH JOANNEUM teams with students from the Architecture and the Construction Management and Engineering programmes.

The proHolz Student Trophy 2016 was launched in cooperation with the regional proHolz organisations and Holzbau Austria with professional support from the Institute of Structural Design of Graz University of Technology.

Sports Media Austria Prize for young talent

In May, [David Baumgartner](#), a Journalism and Public Relations (PR) graduate, received the young talent prize awarded by Sports Media Austria, the association of Austrian sports journalists, for his Bachelor's thesis.

"Du allein, du bis mein Lebenssinn" is the title of his award-winning report. In his moving report David Baumgartner accompanied three football-mad friends, the so-called "Black & White Rolli Crew" who have been wheelchair-bound all their lives.

JUNE 2016

Awards for diversity project

The SVV ("Steirische Vielfalt visualisiert") project of the Institute of Journalism and Public Relations aims to visualise Styria's diversity by providing access to publicly available data on the subject via a web platform on a fully accessible and permanent basis using modern web standards. The project intends to illustrate current diversity as a means of encouraging social cohesion. The code for the web app will be released as open source software.

The application has already received several prizes, including the Best Demo Award at the 15th International Conference on Knowledge Technologies and Data-driven Business 2015 in Graz and an award at the open4data challenge 2016 of the Austrian Federal Government in June.

AT&S Excellence Grants 2016

On 17 June, six electronics students from FH JOANNEUM received grants for excellence in electronics of 1,000 euros each.

The AT&S grant aims to support and promote the most talented students on the Electronics and Computer Engineering programme. [Gerald Ferner](#), [Daniel Wostry](#), [Lukas Kuschnig](#), [Jennifer Hirschenberger](#), [Patrick Fleischhacker](#) and [Martin Albrecht](#) received the grants for excellent achievements during their studies.

Recognised for Excellence

After achieving the level "Committed to Excellence" of the European Foundation for Quality Management model in 2013, FH JOANNEUM has now scored another success: on 16 June, the university achieved the second level "Recognised for Excellence". The EFQM model for business excellence is a corporate model providing a comprehensive view on organisations. FH JOANNEUM is one of the first universities of applied sciences in Austria to extend its quality management system with the EFQM model.

BizMOOC included in the Annual Report of the National Agency for Erasmus+ Education

Eleven project partners have joined forces in the BizMOOC project, building a European knowledge alliance for the use of massive open online courses, or MOOCs for short. The EU-funded project started on 1 January 2016 and will run for three years. It was included in the Annual Report of the National Agency for Erasmus+ Education as one of ten European flagship projects. The project is coordinated by the FH JOANNEUM Institute of International Management. A total of eleven institutions, including universities, companies and networks, are involved in the project on an interdisciplinary basis.

German Society for Nutrition Medicine (DGEM) Award 2016

In June, Maria Leopold, a graduate of the postgraduate Master's course in Applied Nutrition Medicine, received the abstract prize awarded by the German Society for Nutrition Medicine for her Master's thesis, a pilot study (RCT) into conservative nutritional therapy and fruit and vegetable consumption by patients over 60 years of age who suffer from metabolic acidosis and chronic renal impairment.

The German Society for Nutrition Medicine studies metabolic disorders, diet-related conditions and disease triggered by malnutrition. Research into these subject areas is funded through several prizes.

OUTLOOK

JULY 2016

Awards for three exchange students in Mexico

Three of a total of six awards for exchange students at the Universidad Tec de Monterrey this year went to Gabriela Kohlmayr, Lisa Dobler and Magdalena Bosankic, students of International Management at FH JOANNEUM.

AUGUST 2016

GHP Academic Excellence Award in the Field of Dietetics 2016

The worldwide network Global Health & Pharma (GHP) presented FH JOANNEUM with an award for excellent research in the field of dietetics. Nominees for the GHP Academic Excellence Award are selected by external experts. The award is presented to companies or people driving forward their field of expertise through new innovative ideas.

OCTOBER 2016

Cannes Corporate Media & TV Awards 2016

In the Student Film category, three students of Information Design, Paul Freiberger, Daniel Stuhlpfarrer and Helena Pichler, were presented with the Silver Award in Cannes. The award-winning short documentary, DYING CRAFT, tells the story of one of the last gondola builders in Venice – Roberto Tramontin. The Cannes Corporate Media & TV Awards honour the best corporate films, online media productions and TV documentaries.

Siegfried Wolf Awards 2016

Top manager Siegfried Wolf presented the Young Talent Awards at FH JOANNEUM Bad Gleichenberg for the third time. The award winners received their prizes during the graduation ceremony of the Master's degree programme in Health Management in Tourism on 28 October.

The Ambassador Award worth 5,000 euros is presented to alumni who have already established a successful career. This year's award winner is Carina Lipold, graduate of the Bachelor's and Master's programmes in Health Management in Tourism and Wellness Project Director of the Six Senses Hotels Resorts Spas in Bangkok, Thailand. The High Potential Award worth 1,000 euros went to two students who celebrated their graduation on that day: Karin Sereinigg and Michael Zwanzger.

WACE: Hall of Fame 2016

Christine Hofstätter, graduate of FH JOANNEUM's co-op Bachelor's degree programme in Production Technology and Organisation was inducted into the Hall of Fame by the World Association of Cooperative Education (WACE). Christine Hofstätter completed her studies with distinction and already started her career in the automotive industry while studying. After graduation, she joined the Sattler Group, where she is responsible for quality management and organisational development.

NOVEMBER 2016

Certificate of appreciation for the Festival of the Future

Regional Minister Christopher Drexler presented a certificate of appreciation to the Festival of the Future and the Water Jug Race. Both events have been organised by FH JOANNEUM students in Bad Gleichenberg for several years. Bachelor's and Master's students of Health Management in Tourism work together in organising, financing and implementing the event.

GRAWE High Potential Awards 2016

The GRAWE High Potential Awards 2016 were presented to the best graduates of the Institutes of International Management, Banking and Insurance Industry and Internet Technologies & Applications. The award winners received their prizes during the graduation ceremony.

In Graz, Othmar Ederer, General Manager of Grazer Wechselseitige, presented the awards on 7 November to Kerstin Fuchs and Patrick Stefan Scheucher from the Institute of Banking and Insurance Industry and to Elisabeth Reidlinger and Katharina Santner from the Institute of International Management. Florian Mayerhofer, Christine Pompenig, Robert Pürer and Florian Stoppacher from the Institute of Internet Technologies & Applications received their awards in Kapfenberg on 10 November from Wolfgang Thelesklav, Head of Human Resources at Grazer Wechselseitige.

University of Applied Sciences Award from the Vehicle Industry Association 2016

Several students of the Institute of Automotive Engineering received awards for their degree theses from the Association of the Austrian Vehicle Industry.

Andreas Zwölfer, who researched the application of elastic elements in vehicles, and Marius Hofmann, who investigated the characterisation of a nitrided material, received awards for their Bachelor's theses. "Feasibility and design analysis of a pressure wave supercharger adaption on a 600 cm³ spark ignited engine" is the title of the award-winning Master's thesis by Christoph Haidinger. Andreas Summer explored the implementation of failure criteria for fibre reinforced plastic and also received a cheque and a certificate from Walter Linszbauer, Director of the Association of the Austrian Vehicle Industry.

DECEMBER 2016

Red Dot Design Award 2016

Information Design graduate Lisa Faustmann won the Red Dot Junior Award in the category "Communication Design" with her Bachelor's thesis "WHERE IS LOU?".

Because of the growing technical requirements of the computer world, 3D models are generated with a high polygon count to create detailed objects. In spite of these developments, a style with a reduced number of polygons has emerged. "Low Poly" impresses with its simplified optics and has developed into a recognised style in 3D production. Lisa Faustmann's work takes a closer look at the question of how a landscape with characters for a short film animation can be created in the Low Poly style. The result of this Bachelor's thesis is a trailer for a short film.

pma junior award 2016

Students at the FH JOANNEUM Institutes of International Management and Health and Tourism Management won the pma junior award.

The students on the International Management programme worked together with the company Unito on a project studying international market selection. During the project they conducted a global screening to calculate the potential offered by different markets. In their project theses, students on the Bachelor's and Master's degree programmes in Health Management in Tourism developed a room in which care home residents undertake a series of exercises designed to enhance their cognitive and physical competences, as well as to strengthen the sense of community. Austria's leading project management organisation, Projekt Management Austria (pma), regularly selects and highlights project managers and project teams who demonstrate outstanding management performance.

JANUARY 2017

WKO Research Grant 2017

Benjamin Gürtl, graduate of the Master's degree programme in Information Management and Anna Volpini de Maestri, graduate of the Master's degree programme in Construction Management and Engineering received WKO research grants from the Austrian Economic Chamber for their Master's theses.

In his thesis titled "Road Traffic Optimisation and Decision Support by Means of Prescriptive Analytics as a Service", Benjamin Gürtl developed a cloud framework which highlights the opportunities offered by innovative business analytics. His thesis also examines the implementation of an actual application in a cloud setting which offers optimisation and decision-making support for road traffic in Graz. Anna Volpini de Maestri received a grant for her Master's thesis on comprehensive preliminary surveys of refurbishment properties in order to minimise risks during the refurbishment process. In her thesis the author addresses the question of how surveying the state of a property prior to refurbishment can minimise both the risks and costs of the project.

FEBRUARY 2017

Green Tech Challenge 2016 - the winning project

Twelve student teams from the FH JOANNEUM Energy, Transport and Environmental Management programme took up the Green Tech Challenge to redesign the traffic light system for the City of Graz. The challenge was won by Katharina Volker-Krenn, Theresa Schennach, Alexander Pommer, Nathalie Schmoll and Desiree Vietz, who replaced traffic lights near schools with crossing guards, relying on human input for controlling traffic near schools.

The projects were presented to Maria Ortner, Green Tech Cluster, and Karl-Heinz Posch, Austrian Mobility Research.

MARCH 2017

Health Research Award 2017

The sixth Health Research Awards were presented on 15 March. The network of Austrian FH degree courses in health management awarded first place in the “Healthcare” category to Carina Marbler, a FH JOANNEUM Master’s student of Health Management in Tourism. She impressed the jury with her Master’s thesis, a longitudinal study on how in-patients in orthopaedic rehabilitation can be motivated to actively improve their health.

The awards aim to create marketable innovations which are relevant to society, and stimulate the transfer of knowledge and technology between businesses and universities of applied sciences.

BISi-Award 2017

The Steirisches Vulkanland (Styrian volcano region) presented its BISi Awards on 20 March. Among the prize winners were seven students and graduates from the Institute of Health and Tourism Management.

Every year awards are given to outstanding and innovative degree theses relating to Styria’s volcano region. The aim of the initiative is to involve highly qualified people in the region, and to foster cooperation with regional business. The prize is awarded by the training and innovation fund of the Styrian volcano region (BISi).

THE THREE PILLARS: TEACHING RESEARCH CONTINUING EDUCATION

01

FH JOANNEUM is smart as an organisation, scientific and creative as a research establishment and student-centred as a university: we are clever, inventive and eloquent. We think out of the box, come up with sophisticated innovations and implement them in smart ways. Scientific tasks are solved creatively. Creative solutions have a solid scientific basis.

STUDY YOUR DREAM.

The FH JOANNEUM degree programmes.

Applied Computer Sciences

01

Bachelor's degree programmes	Academic degree	Organisational form	Campus
eHealth	BSc	full-time	Graz
Information Management	BSc	full-time	Graz
Internet Technology	BSc	full-time	Kapfenberg
Software Design	BSc	part-time	Kapfenberg
Master's degree programmes	Academic degree	Organisational form	Campus
Data and Information Analyst ¹	DI	work-friendly	Graz
eHealth	MSc	work-friendly	Graz
Information Management	DI	work-friendly	Graz
IT & Mobile Security	MSc	part-time	Kapfenberg
IT Law & Management	MA	part-time	Kapfenberg

¹ starts in autumn 2017 or summer semester 2018 subject to approval by the relevant bodies.

Building, Energy & Society

02

Bachelor's degree programmes	Academic degree	Organisational form	Campus
Construction Design and Economics	BSc	full-time	Graz
Energy, Transport and Environmental Management	BSc	full-time	Kapfenberg
Social Work	BA	full-time	Graz
Master's degree programmes	Academic degree	Organisational form	Campus
Architecture	DI	full-time	Graz
Construction Management and Engineering	DI	full-time	Graz
Energy & Transport Management	MSc	work-friendly	Kapfenberg
Social Work	MA	part-time	Graz

Engineering

03

Bachelor's degree programmes	Academic degree	Organisational form	Campus
Electronics and Computer Engineering	BSc	full-time	Graz
Automotive Engineering	BSc	full-time	Graz
Aviation	BSc	full-time	Graz
Sustainable Food Management	BSc	full-time / practice integrated	Graz
Production Technology and Organisation	BSc	co-op	Graz
Master's degree programmes	Academic degree	Organisational form	Campus
Electronics and Computer Engineering	MSc	work-friendly	Kapfenberg
Engineering and Production Management	MSc	co-op	Graz
Automotive Engineering	DI	full-time	Graz
Food: Product and Process Design ²	MSc	co-op	Graz
Aviation	MSc	full-time	Graz
Postgraduate Master's course	Academic degree	Organisational form	Campus
Air Traffic Management ³	MSc	part-time	Graz

2 starts in autumn 2017 subject to approval by the relevant bodies.

3 starts in autumn 2017

Health Studies

04

Bachelor's degree programmes	Academic degree	Organisational form	Campus
Biomedical Science	BSc	full-time	Graz
Dietetics and Nutrition	BSc	full-time	Bad Gleichenberg
Occupational Therapy	BSc	full-time	Bad Gleichenberg
Health Care and Nursing	BSc	full-time	Graz
Midwifery	BSc	full-time	Graz
Logopedics	BSc	full-time	Graz
Physiotherapy	BSc	full-time	Graz
Radiography	BSc	full-time	Graz
Master's degree programme	Academic degree	Organisational form	Campus
Mass Spectrometry and Molecular Analysis	MSc	part-time	Graz
Postgraduate Master's course	Academic degree	Organisational form	Campus
Applied Nutrition Medicine ⁴	MSc	part-time	Bad Gleichenberg, Graz

4 in cooperation with Medical University of Graz

Management

05

Bachelor's degree programmes	Academic degree	Organisational form	Campus
Banking and Insurance Industry	BA	part-time	Graz
Health Management in Tourism	BA	full-time	Bad Gleichenberg
Industrial Management	BSc	full-time + part-time	Kapfenberg
International Management	BA	full-time	Graz
Master's degree programmes	Academic degree	Organisational form	Campus
Banking and Insurance Management	MA	part-time	Graz
Business in Emerging Markets	MA	full-time	Graz
Health Management in Tourism	MA	work-friendly	Bad Gleichenberg
International Industrial Management	DI	full-time + part-time	Kapfenberg
Postgraduate Master's courses	Academic degree	Organisational form	Campus
European Project & Public Management ⁵	MSc	part-time	Graz
Health Care and Hospital Management ⁶	MBA	part-time	Graz
International Supply Management	MSc	part-time	Kapfenberg
International Hospitality and Spa Management	MBA	part-time	Bad Gleichenberg
Master of General Management	MBA	part-time	Kapfenberg

5 in cooperation with International Business School Austria
 6 in cooperation with Medical University of Graz

Media & Design

06

Bachelor's degree programmes	Academic degree	Organisational form	Campus
Industrial Design	BA	full-time	Graz
Informationsdesign	BA	full-time	Graz
Journalism and Public Relations (PR)	BA	full-time	Graz
Master's degree programmes	Academic degree	Organisational form	Campus
Exhibition Design	MA	work-friendly	Graz
Communication, Media, Sound ⁷ and Interaction Design	MA	work-friendly	Graz
Content Strategy	MA	part-time	Graz
Industrial Design	MA	full-time	Graz
Postgraduate Master's courses	Academic degree	Organisational form	Campus
Public Communication	MA	part-time	Graz
Technical Documentation ⁸	MSc	part-time	Graz
Visual Communication and Image Management ⁸	MA	part-time	Graz

7 specialisation in Sound Design in cooperation with University of Music and Performing Arts Graz
 8 starts in autumn 2017

We encourage entrepreneurial thinking and action, as well as pleasure in creativity and innovation. We are actively involved in the transfer of knowledge between university, research, industry and society.

Research. From idea to application.

As a university of applied sciences we act as a strong driver for research innovation in close cooperation with our partners in industry and education. We carry out regional and cross-border projects to promote ecologically, socially and economically sustainable concepts, combining creative impetus with a solution and market-oriented approach for the benefit of society. We thus make a sustainable contribution to further developing Styria as a business location and as a place to live and driving innovation in Styria and beyond.

FH JOANNEUM has firmly established itself both in the international research landscape and as a partner for SMEs at the regional level. Our applied research ranges from the transfer of results from basic research to innovative services and developments. This ensures a close link between research and teaching and a high relevance for practical application. Student involvement in research projects constitutes a decisive factor for the success of our career-oriented and scientifically grounded training.

Research focus areas

We see modern research as a multidisciplinary mission to be fulfilled not only within the individual institutes but also within and across the six departments.

Department of Applied Computer Sciences

- Multimedia and Interface Development
- Big Data & Business Analytics
- Mobile Application and Smart Health Care
- IT Security
- Active (ambient) Assisted Living
- Documentation Standards and Data Management in the Health Sector

Department of Building, Energy & Society

- Socioecological Urban and Regional Development
- Lifecycle-Based Building Design
- Glass Construction
- Smart City Modelling and Simulation
- Wood Building and Design
- Social Inclusion and Innovation

Department of Engineering

- Power Electronics in Energy Systems & Mobility
- Unmanned Aircraft and Aircraft Systems
- Overall Vehicle Engineering – Numerical and Experimental Analysis
- Integrated Development of Innovative Protein Sources for Food and Feed Production
- Smart Factory
- Cooperative Education in Engineering

Department of Health Studies

- Development and Evaluation of Evidence-Based Innovative Diagnostic and Therapeutic Procedures
- Health Services Research for the Healthcare Professions
- Innovative Training Concepts for the Healthcare Professions
- Health Promotion and Prevention Strategies
- Development of Special Analytical Methods in Biomedicine and Industrial Pharmaceuticals

Department of Media & Design

- Interaction and Learning in Real and Virtual Environments
- Information Design in Media and Interaction Spaces
- Web Literacy
- Mobility Design
- Eco-Innovative Design

Department of Management

- International Finance Industry
- Health Management and Public Health
- Sustainable (Health) Tourism
- Competitiveness through Digitisation, Smart Production and Service Engineering
- International Business Strategies and Processes
- Quality-Oriented Higher Education Development in an International Context

Outlook

FH JOANNEUM launched two new Josef Ressel Centres in January and April 2017:

- the Josef Ressel Centre for thin glass technology for applications in the construction industry
- the Josef Ressel Centre for investigating the predisposition to perinatal metabolic programming of obesity

Josef Ressel Centres undertake high-level, application-oriented research in which outstanding scientists cooperate with innovative partners. The Christian Doppler Research Association is regarded as a best practice example of promoting this form of cooperation. The research centres are financed by the Federal Ministry of Science, Research and Economy and the companies involved.

www.fh-joanneum.at/forschung

FH JOANNEUM offers a demand-oriented range of postgraduate Master's courses and tailored continuing education services for internal and external stakeholders that are designed to foster lifelong learning and professional development. These further training options will in future be offered under a common umbrella brand.

Keep thinking. Keep learning.

Continuing education forms an integral part of FH JOANNEUM's mission along with its diverse portfolio of degree programmes and wide range of research activities. In keeping with this philosophy of lifelong learning, we offer a broad range of continuing education options.

Follow your personal or professional interests, continue your lifelong education – here at FH JOANNEUM we offer several options for further training, covering everything from short one hour courses right through to four semester Master's courses.

An overview of what's on offer

Several times a year various institutes organise events related to their current research. Here are a few examples:

The Institute of Industrial Management's **knowledgefactory** is designed to translate acquired knowledge into practice through short seminars run both at FH JOANNEUM and at various companies. The **DAMIA (Der alte Mensch is(s)t anders)** course offered by the Institute of Dietetics and Nutrition serves to increase awareness among care home staff about the nutritional needs of the elderly.

The **SUMMER BUSINESS SCHOOL** is a series of seminars encompassing a wide variety of topics, and every year attracts people interested in diverse subject areas.

The part-time **university entrance qualification course** enables those without the necessary school leaving exams to qualify for university entry before their chosen degree programme starts. The **Mathematics Warm-up** course is the ideal preparation for future students on technical courses.

Events exploring **innovative learning scenarios** and a programme on **continuing education in university didactics** are designed to improve teaching. **Lectures and symposia** on a variety of topics complete the choice of programmes on offer.

Postgraduate Master's courses

Managers in the field of engineering can widen their knowledge on the General Management course, while managers working in the healthcare sector can expand their expertise in Health Care and Hospital Management.¹ The European Project and Public Management² course deals with the planning and implementation of EU projects. Diseases related to nutrition are the subject of the Applied Nutrition Medicine course which is run in cooperation with the Medical University of Graz.

Students of International Hospitality and Spa Management can look forward to career opportunities at the interface between hotel and wellness trends. The International Supply Management course provides new input for those working in purchasing and procurement, while the course in Public Communication offers professionals in this field the opportunity to learn about the latest developments from international experts.

Outlook

Continuing education is one of the three pillars of FH JOANNEUM. Our central concept is lifelong learning and considering how to adapt to changes in the job market. For this reason, three additional Master's courses will be launched in autumn 2017:

Technical Documentation offers training for technical editors who help users to operate technical equipment quickly and safely. Images are an integral part of modern communication: the Visual Communication and Image Management programme examines visual language and the use of images both in the media and in daily communication.

The Air Traffic Management programme provides the necessary skills for managers working in aviation, with international experts teaching the relevant technical, legal and business know-how.

www.fh-joanneum.at/weiterbildung

¹ in cooperation with the Medical University of Graz

² in cooperation with the International Business School Austria

FH JOANNEUM as an organisation.

As at May 2017

Representatives of the Styrian Regional Government as the majority shareholder



Mag. Mag. Barbara Eibinger-Miedl
Regional Minister for Economy, Tourism, Europe, Science and Research
(since 25 April 2017)
Regional Minister
Mag. Christopher Drexler
(until 24 April 2017)



Dr. Birgit Strimitzer-Riedler
Head of Department 8, Health, Healthcare and Science

Supervisory Board

Members of the Supervisory Board

Mag. Kristina Edlinger-Ploder
(from June 2016
to 31 August 2016)
Mag. Regina Friedrich
Univ.-Prof. Mag. Dr. Elke Gruber
HR Dr. Heinz Haselwander
(until June 2016)

Mag. Martin Latzka
(since 27 October 2016)
Dr. Isabella Poier
Prof. Mag. Eva Ponsold
(since December 2015)
Mag. Daniela Schachner-Blazizek
Mag. Gerlinde Siml
Mag. Andreas Temmel
(until December 2015)



Chair
KoR Mag. Dr. Günther Witamwas



Deputy Chair
Mag. Friedrich Möstl

Staff representatives

FH-Prof. DI Walter Cadek
(until December 2015)
Martin Gutzelnig
(until February 2017)
DI Takashi Linzbichler
(since February 2017)
FH-Prof. DI Dr. Rüdiger Rudolf
(until February 2017)

FH-Prof. Dipl.-Ing. Dr.techn.
Peter Salhofer
(since December 2015)
Mag Eva Wetschnig
FH-Prof. Mag. Dr. Wilhelm Zugaj
(since February 2017)



Chair of the Staff Council
FH-Prof. Mag. Dr. Kaja Unger

Operating company

FH JOANNEUM
Gesellschaft mbH.
Share capital:
EUR 4 million

Shareholders:
Styrian Regional Government
EUR 3,004,000

JOANNEUM RESEARCH
Forschungsgesellschaft mbH.
EUR 596,000

Steirische Wirtschafts-
förderungsgesellschaft mbH.
EUR 400,000

Management



Rector (FH) / Managing Director
o. Univ.-Prof. DI Dr. Karl Peter Pfeiffer

Commercial Director
City Councillor Dr. Günter Riegler
(until 4 April 2017)

Board

FH JOANNEUM has set up a University of Applied Sciences Board pursuant to Sec. 10 of the Universities of Applied Sciences Studies Act (FHStG), which is responsible for all procedural and organisational matters relating to teaching and examinations. The FH JOANNEUM Board consists of the Rector (FH) acting as Head of Board, the Vice-Rector (FH)

acting as Deputy Head of Board, six heads of degree programmes, six representatives of the teaching and research staff and four student representatives. It meets in regular sessions and is authorised to establish committees to deal with special issues.



Head of Board / Rector (FH)
o. Univ.-Prof. DI Dr. Karl Peter Pfeiffer



Deputy Head of Board / Vice-Rector (FH)
FH-Prof. Dipl.-Ing. Werner Fritz

Heads of the six Departments



**Head of Department
of Applied Computer Sciences**
FH-Prof. Mag. Dr.
Sonja Gögele, MBA MSc
(since 1 March 2016)
DI Dr. Robert Mischak, MPH
(until 29 February 2016)



**Head of Department
of Building, Energy & Society**
FH-Prof. DI Dr. Michaela Kofler
(since 1 January 2016)
FH-Prof. Dr. Michael Bobik
(until 31 December 2015)



**Head of Department
of Engineering**
DI Johannes Haas
(since 1 January 2017)
FH-Prof. DI Dr. Kurt Steiner
(until 31 December 2016)



**Head of Department
of Health Studies**
Beate Salchinger, MMSc



**Head of Department
of Management**
FH-Prof. Mag. Dr. Martin Tschandl



**Head of Department
of Media & Design**
FH-Prof. Mag. Dr. Heinz M. Fischer

Heads of Department

FH JOANNEUM reorganised its 45+ degree programmes into six Departments and 25 Institutes in order to leverage synergies, define key areas of research & development as well as demonstrating fields of strength and promoting the development of innovative new degree programmes. The departments are represented by the Heads of Department.

Heads of Teaching and Research Staff

The heads of teaching staff at the institutes and degree programmes are responsible for all educational activities on their programmes – both in terms of scientific and didactic quality and economic effectiveness.

They decide on requests submitted by applicants and students. They are supported by the central service departments of FH JOANNEUM in all legal, administrative and personnel-related issues as well as in matters relating to procurement, construction and finance.

Organisational chart of
FH JOANNEUM at:
www.fh-joanneum.at

FINANCIAL REPORT 2015/2016

02

Balance sheet as at 30 June 2016
compared with previous year's figures in thousand euros (k€)

Assets	30 June 2016 €	30 June 2015 k€
A. FIXED ASSETS		
I. Intangible assets		
1. Licences	405,814.00	286.8
2. Advance payments	633,874.38	632.1
	1,039,688.38	918.9
II. Tangible assets		
1. Buildings on non-owned land	493,551.00	0.0
2. Plant and machinery	1,881,868.00	1,960.9
3. Other fixtures and fittings, tools and equipment	3,999,569.00	4,218.3
4. Tangible assets in course of construction	43,028.60	43.4
	6,418,016.60	6,222.6
III. Financial assets		
Investments held as fixed assets	433,993.84	433.0
	7,891,698.82	7,574.5
B. CURRENT ASSETS		
I. Stocks		
1. Consumables	8,813.20	11.4
2. Work in progress	4,681,419.46	5,598.1
	4,690,232.66	5,609.5
II. Debtors and other assets		
1. Trade debtors	570,571.67	698.9
2. Amounts owed by public corporations	9,134,692.82	9,124.6
3. Other debtors and assets	57,915.65	45.1
	9,763,180.14	9,868.6
III. Cash at bank and in hand	7,568,178.24	5,959.7
	22,021,591.04	21,437.8
C. PREPAYMENTS AND ACCRUED INCOME		
Prepayments and accrued income	295,179.70	248.2
D. TRUST ASSETS		
Trust assets	798,674.94	344.9
	31,007,144.50	29,605.4

Liabilities	30 June 2016 €	30 June 2015 k€
A. CAPITAL AND RESERVES		
I. Share capital	4,000,000.00	4,000.0
II. Balance sheet profit/loss (of which profit brought forward € 0.0; previous year k€ 0.0)	0.00	0.0
	4,000,000.00	4,000.0
B. INVESTMENT ALLOWANCES		
Investment allowances from public funds	5,276,369.00	4,935.0
C. PROVISIONS		
1. Provisions for severance payments	2,711,197.72	2,486.6
2. Other provisions	5,951,870.00	4,897.0
	8,663,067.72	7,383.6
D. CREDITORS		
1. Payments received on account of orders	5,336,608.76	6,044.9
2. Trade creditors	1,820,977.08	1,936.9
3. Other creditors (of which tax € 620,252.54; previous year: k€ 682.3) (of which social security € 1,604,303.52; previous year: k€ 1,551.5)	2,893,983.23	2,872.3
	10,051,569.07	10,854.1
E. ACCRUALS AND DEFERRED INCOME		
Accruals and deferred income	2,217,463.77	2,087.8
F. TRUST LIABILITIES		
Trust liabilities	798,674.94	344.9
	31,007,144.50	29,605.4

Profit and Loss Account for the financial year from 1 July 2015 to 30 June 2016
compared with previous year's figures in thousand euros (k€)

	2015/2016 €	2014/2015 k€
1. Turnover	7,597,440.82	6,251.8
2. Income from subsidies		
a) Federal subsidies	24,280,298.35	23,281.5
b) Regional subsidies (Styria)	15,051,014.80	14,231.2
c) Other	431,699.17	426.4
	39,763,012.32	37,939.1
3. Changes in work in progress	- 916,694.22	- 117.9
4. Other operating income		
a) Income from the disposal of fixed assets excluding financial assets	33,527.79	53.8
b) Income from the reversal of provisions	81,808.13	0.0
c) Income from the reversal of investment allowances	2,361,257.61	2,245.8
d) Other	1,024,691.90	907.1
	3,501,285.43	3,206.7
5. Expenditure for materials and services		
a) Materials	- 626,733.15	- 528.6
b) Services	- 1,342,252.40	- 1,154.8
	- 1,968,985.55	- 1,683.4
6. Staff costs		
a) Employees		
aa) Wages and salaries	- 23,878,213.89	- 23,466.0
ab) Severance payments and payments to corporate pension funds	- 568,052.17	- 532.1
ac) Pension payments	- 7,654.12	- 7.5
ad) Statutory social security and payroll-related taxes and contributions	- 6,175,567.10	- 5,990.4
ae) Other social expenses	- 336,674.20	- 224.4
	- 30,966,161.48	- 30,220.4
b) Independent contractors (quasi-freelancers)		
ba) Fees	- 5,107,777.75	- 4,980.6
bb) Payments to corporate pension funds	- 54,051.05	- 52.5
bc) Statutory social security and payroll-related taxes and contributions	- 903,688.88	- 856.1
bd) Other social expenses	0.00	0.0
	- 6,065,517.68	- 5,889.2
	- 37,031,679.16	- 36,109.6
7. Depreciation of tangible fixed assets and amortisation of intangible fixed assets	- 2,835,209.77	- 2,748.1
8. Other operating charges		
a) Taxes	- 5,069.15	- 3.4
b) Other	- 8,144,919.65	- 6,808.8
	- 8,149,988.80	- 6,812.2
9. Operating profit/loss (subtotal of items 1 to 8)	- 40,818.93	- 73.6
10. Income from other investments	4,425.35	6.2
11. Other interest receivable and similar income	35,367.49	65.6
12. Income from addition to financial assets	1,026.09	1.8
13. Financial profit (subtotal of items 10 to 12)	40,818.93	73.6
14. Profit/loss on ordinary activities	0.00	0.0
15. Net income	0.00	0.0
= Profit for the year	0.00	0.0
16. Profit brought forward from the previous year	0.00	0.0
17. Balance sheet profit/loss	0.00	0.0

Financial Report 2015/2016

The successful and dynamic path taken by FH JOANNEUM in the past financial year is also reflected in the figures of the financial statements.

The **asset structure** has not changed substantially from previous years. Working capital accounts for around 75% of assets, and long-term assets for some 25%.

Fixed assets have increased slightly compared to the previous year. Capital investment (k€ 3,158.0) exceeded the level of **depreciation** (k€ 2,835.2), resulting in a **capital expenditure ratio of over 100%**.

Stocks include the R&D projects still in progress and not yet invoiced as at the balance sheet date. As several large-scale projects were concluded in the past financial year, the figure has decreased by k€ 919.0 compared to the previous year. The balance sheet item includes a total of 175 individual projects.

The item "Debtors" mainly includes amounts owed by the **Government of Styria as the majority shareholder (k€ 8,900.0)**, receivables from trade debtors (primarily national clients and funding agencies) with respect to invoiced R&D projects and clearing balances with the host municipalities.

The **liquidity** of the company has slightly increased compared to the previous year. As in the previous years, the **liquid funds** were mainly deposited with national credit institutions.

The **equity ratio** remains at around 14.0%.

Investment allowances are similar to equity capital as they include payments from the regional government for the financing of investments in teaching and administration. The allowances are released annually with income-raising effect in line with depreciation. Taking quasi-equity investment allowances into consideration, the **extended equity ratio is thus around 30%**.

Provisions mainly include staff entitlements (severance payments, unclaimed holidays, anniversary bonuses, overtime credits, premiums and other claims) and provisions for guarantee risks, audits, consulting and process risks. The interest factor used to calculate the **provisions for severance payments** was reduced from 2.5% p.a. to 2.0% p.a. in response to the current low interest rate environment.

The **profit and loss account (income statement)** shows that the **increase in operating expenses** (k€ 2,547 more than in the previous year) due to the **increase in operating activities** (higher research/development revenue, higher income from federal funding due to increase in student places and student numbers) was compensated by **higher revenue** (k€ 2,579 more than in the previous year). The result is thus slightly positive.

The **R&D revenue of k€ 6,128.9** clearly exceeds the levels achieved in previous financial years, for the first time breaking the "sound barrier" of 6 million euros.



Mag. Klaus Kinzer, MSc
Head of Finance, Controlling and Accounting
and Registered Manager of FH JOANNEUM

The FH JOANNEUM Business Model 2016/2017



Sustainability Report 2015/2016

03

Sustainability Report 2015/2016

Establishing FH JOANNEUM as a sustainable organisation is one of our key guiding principles. We accept responsibility for the common good and social development and we manage resources in a sustainable manner. In accordance with this guiding principle, our 'Hands On 2022' strategy also includes a sustainability KPR (Key Performance Result).

This Sustainability Report is intended to raise awareness amongst ourselves and our stakeholders of the many activities we undertake in this field, as also suggested

by our EFQM assessors. At the same time, we wish to continue in our pioneering role as an opinion-maker on educational policy, and to follow the international trend set by listed companies in publishing an **Integrated Report** as a means of presenting a comprehensive overview of the valuable contribution our university makes to the economy and to society.



Mag. Dr. Roswitha Wiedenhofer
FH JOANNEUM Research Coordinator

Key Performance Result (KPR): Initiatives promoting sustainability¹ at FH JOANNEUM

1

as at FY 2015/16

Ecological perspective	Social perspective	
	Related to specific social groups	General charitable initiatives
Shift to LED lighting including smart control	"Refugees welcome" initiative ("Menschen auf der Flucht - die FH JOANNEUM hilft")	Flea market for books
Implementation projects in teaching ² , e.g.: · High Efficiency Coach - Transportation Design	Preparation for the Special Olympics World Winter Games: · Healthy Athletes Screening Programme	Implementation project in teaching, e.g.: · Donation of proceeds from student party to a local charity organisation and to internship partner Angkor Hospital in Cambodia
Implementation projects in research, e.g.: · Life Cycle Assessment for Facade Systems · Micro-Solar Inverter · QualiTour - Sustainability in Tourism	Implementation projects in teaching, e.g.: · Ultralight Wheelchair · Journey of Hope · Urban Inclusion ... concerns us all	
	Implementation projects in research, e.g.: · Migrant Acceptance and Participation · Visualising Styrian Diversity (SVV)	
Number	3	2
Target	1	1

¹ "Initiative" includes all activities carried out by at least two institutes or a central department of FH JOANNEUM.

² Implementation projects in teaching and research must include at least one project implemented in the relevant financial year. The categories are assigned one point if the number of projects ≥ 1 , irrespective of the total number of projects.

Ecological perspective

Whether sustainable transport and urban planning, resource conservation and energy efficiency, or sustainable mobility and production, the focus at FH JOANNEUM lies on ecological topics. The following is a selection:

Sustainable lighting with smart control

In the financial year 2015/2016 FH JOANNEUM replaced its conventional lighting with LED lights which can be intelligently controlled. This initiative was funded by the Austrian Climate and Energy Fund.

Project Manager: Harald Maurer,
Head of Facility Management

Implementation project in teaching

High Efficiency Coach

The Institute of Product and Transportation Design is cooperating with MAN Truck & Bus AG to design vehicle concepts for long-distance MAN and NEOPLAN coaches which can reach a maximum cruising speed of 130 kilometres per hour.

For shorter journeys tomorrow's High Efficiency Coach will be a viable alternative to flying.

As higher speeds result in greater drag and higher fuel consumption, methods of reducing energy consumption were also taken into account in the project. Students on the Master's degree programme in Industrial Design completed the transportation design projects in the winter semester 2015/2016.

FH JOANNEUM Supervisors: FH-Prof. Dipl.-Designer Michael Lanz, DI (FH) Marc Ischepp, DI (FH) Miltos Oliver Kountouras, Walter Lach, DI (FH) Petrus Gartler

Implementation projects in research

Life Cycle Assessment for Facade Systems

The project run by the Institute of Construction Design and Economics, and financed by the Styrian Economic Chamber, is systematically recording the processes underway during the service life of exterior wall systems. The results show how conventional building facades change over their life cycle, and at what point they need to be cleaned or repaired. This generates realistic values which can be applied in life cycle calculations when planning facades both for new buildings and renovations.

Project Manager: DI Dr. Ewald Hasler,
Institute of Construction Design and Economics

Micro-Solar Inverter

A highly efficient solar inverter is the outcome of a project undertaken by the Institute of Electronic Engineering at FH JOANNEUM in cooperation with AT&S and EPCOS TDK. The micro solar inverter is the size of a stack of three matchboxes, and can feed power from ten solar modules into the grid. It is not only very efficient, but also helps save resources because of its small size.

The solar inverter was developed at FH JOANNEUM's Power Electronics Center and nominated for the 2015 Austrian State Prize for Environment and Energy Technology. Funded by the Austrian Research Promotion Agency (FFG), the Research Studio Austria works together with partners from industry to develop innovative power electronics and increase energy efficiency.

Project Manager: FH-Prof. DI Dr. Hubert Berger, Institute of Electronic Engineering

QualiTour – Sustainability in Tourism

The project “Quality management approach for sustainable tourism”, or QualiTour for short, seeks to improve the qualifications of staff employed in the tourism industry. The project was financed by the European Union as part of its life-long learning programme (LLP), and was carried out together with six European partner institutions. In tune with the basic principles of LLP, the main aim of QualiTour is to develop a blended learning tool for training and professional development in sustainable tourism.

Project consortium: European Center for Quality, Bulgaria; Aidlearn, Consultoria em Recursos Humanos, Portugal; Institutes of Health and Tourism Management and International Management, FH JOANNEUM, Austria; Chamber of Commerce and Industry Vratsa, Bulgaria; Fondazione Fenice, Italy; Molise Region, Italy; University of Social Sciences, Poland.

Social perspective

Social inclusion is the focus of many FH JOANNEUM initiatives and projects. This includes urban inclusion, involvement of asylum seekers in education and employment, or preparations for the Special Olympics World Winter Games. The following is a selection:

Healthy Athletes Screening Programme

In the run-up to the Special Olympics World Winter Games, the FH JOANNEUM Institutes of Dietetics and Nutrition, Occupational Therapy, Health and Tourism Management, Logopedics, Physiotherapy and Radiography developed a variety of health checks: run in parallel with the competitions at the Special Olympics, the Healthy Athletes Screening Programme is one of the most comprehensive health checks for people with mental disabilities.

Physical performance is as much a focus as health-related behaviour in general. The individual programmes are intended not only to support athletes, but also to contribute towards inclusion in the tertiary education sector. Students are taught how to deal with mental impairments and can use what they have learned in their later working life.

“Refugees welcome” initiative

This initiative (“Menschen auf der Flucht – die FH JOANNEUM hilft”) started with a general feeling that we must do something. With this end in view, a range of measures and projects were planned and carried out at FH JOANNEUM:

In the FLUCHT.weg.EU panel discussion series experts discussed current issues in politics, science and civil society. The FLUCHT.ort.AT lecture series is currently in the planning stage. FH JOANNEUM employees ran German courses for unaccompanied refugee minors on a voluntary basis. Many employees also used the opportunity to spend one of their working days with a refugee support organisation.

Free places on German as a Foreign Language courses are filled with asylum seekers and those with refugee status. Around 20 asylum seekers help teach Arabic at FH JOANNEUM in Bad Gleichenberg as native speakers. In return, they take part in the German courses run for international students. Asylum seekers and recognised refugees can also prepare themselves for a course of study at FH JOANNEUM on the university preparation course.

Projects are also underway at FH JOANNEUM Bad Gleichenberg, including ‘Integration through Sport’, a combined initiative run by the Institute of Health and Tourism Management, the Department of Facility Management and the Bad Gleichenberg refugee platform. Asylum seekers and recognised refugees can also take part in joint intercultural projects run as part of the Health and Tourism Management and Occupational Therapy degree programmes.

Asylum seekers and recognised refugees are also taking part in the FH JOANNEUM Internationalisation@home programme. Whether Zumba or cooking, aikido or making Advent wreaths, ordinary students, international students and people fleeing persecution come together through intercultural exchange.

Managers: Birgit Hernady, Head of International Relations, and Dietmar Ackerl, Head of Central IT Services

Implementation projects in teaching

Ultralight Wheelchair

During the academic year 2015/16 students on the Master’s degree course in Automotive Engineering at FH JOANNEUM produced an ultralight, folding wheelchair. Carbon, aramid, aluminium and steel are all used to produce a wheelchair weighing around five kilograms which is designed to significantly improve mobility for people with physical disabilities.

The students had previously applied their knowledge of ultra-lightweight design and construction in an entirely different field, developing a racing car for Formula Student.

Project Manager: DI (FH) DI Philipp Eder, Institute of Automotive Engineering

Journey of Hope

Information Design students at FH JOANNEUM put their own impressions about the movement of refugees onto paper as part of a semester project in 2016. The starting points for the students’ posters were as diverse as the stories of the people we have welcomed to Europe. The ‘Journey of Hope’ exhibition was shown in the Kunsthaus in Graz. The posters were also available for purchase, with the proceeds going to refugee relief.

Curator: Tomislav Bobinec, Institute of Design & Communication

Urban Inclusion...concerns us all

Refugee accommodation is a topical issue, even in Graz. That’s why, following an initiative by students and lecturers on the FH JOANNEUM Master’s degree courses in Architecture and Exhibition Design, an exhibition on the subject of urban inclusion was staged during the winter semester 2015/2016. Held at the Haus der Architektur, the exhibition offered short, medium and long-term ideas for refugee accommodation in Graz.

Curators: DI Anke Strittmatter, MA and Arch. DI Thomas Lettner, MA, Institutes of Design & Communication and Architecture & Management

Implementation projects in research

Migrant Acceptance and Participation

The project researches the stereotypical ways of thinking and patterns of behaviour encountered by people with a migrant background. An analysis of common patterns of argument is used to explore strategies for dissolving these stereotypes.

The aim is to develop educational policy proposals which encourage social diversity and facilitate successful integration. The project is funded by the Styrian Regional Government, Department for Science and Research.

Project partners: University of Graz, FH JOANNEUM August Aichhorn Institute of Social Work and Zebra – Intercultural Counselling and Therapy Centre

Visualising Styrian Diversity (SVV)

The project run by the Institute of Journalism and Public Relations at FH JOANNEUM is designed to provide access to publicly available data on diversity in Styria. The visualised data are made available via a web platform on a fully accessible and permanent basis using modern web standards.

The project is being carried out together with Graz University of Technology and is intended to illustrate diversity, thereby

contributing to social cohesion. The code for the multi-award winning web app will be released as open source software.

Project Manager: Mag. Thomas Wolkinger, Institute of Journalism and Public Relations

Library runs charity flea market for books

The FH JOANNEUM library was pleased to receive many book donations during the autumn of 2015. The books were then offered at the flea market in December for a donation of two euros per book, with the proceeds going to the FH JOANNEUM "Refugees welcome" initiative.

Project Manager: Mag. Andrea Zemanek, Head of Library

Implementation project in teaching

Charity activities by the Institute of Physiotherapy

As well as taking part in the Graz Handball Marathon in June 2016, the Institute of Physiotherapy handed over the net proceeds from its annual student party to a local charity organisation and to the Angkor Hospital for Children (AHC) in Cambodia.

The Angkor Hospital for Children in Cambodia is a FH JOANNEUM internship partner. Students including Bianca Hilweg and Sonja Salzmann, both Physiotherapy graduates, have completed the final internship of their degree course at the hospital where they were able to make a positive contribution to local healthcare provision.

Information about all the projects and initiatives can be found on our website: www.fh-joanneum.at/forschung and www.fh-joanneum.at/blog

Outlook for the Year of Inclusion 2016/2017: aspects of inclusion, inclusion in the tertiary education sector, Socio-Design, Special Olympics World Winter Games, Refugees in Vocational Training – RevoT, Cabin4All, <Get it> SignTech videobooks for the deaf...



INTELLECTUAL CAPITAL REPORT 2015/2016

04

Knowledge Goals

CORE PROCESS “TEACHING”

Human Capital

FH JOANNEUM staff have a high standard of professional expertise, scientific qualification and didactic experience.

FH JOANNEUM aims at promoting equal opportunities for men and women in all corporate sectors and welcomes students and lecturers from all ethnic or religious backgrounds and with special needs.

Structural Capital

The employability and scientific qualification of students is ensured by a limited number of student places, by degree programmes based on a European university model and by applied research knowledge generated at the FH JOANNEUM departments and institutes.

Learner-centred working methods, small groups, state-of-the-art academic infrastructure (libraries, laboratories, communication and information technology) and the integration of e-learning scenarios provide an optimal learning environment.

Relational Capital

International cooperation in the university sector as well as the mobility and exchange of students and lecturers with partner universities serve to consolidate the international position of FH JOANNEUM.

Close networks as well as training models developed and conducted in collaboration with partner companies and partner universities ensure the quality and practical focus of the education.

CORE PROCESS “R&D”

Human Capital

FH JOANNEUM staff are active in a wide range of multifaceted projects of application-oriented research, continuously generating knowledge for the university, industry and society. The expertise gained from research and development provides the basis for research-led teaching.

Structural Capital

The flexible structures of FH JOANNEUM provide an effective basis for implementing sophisticated research tasks. State-of-the-art laboratory and IT infrastructure and libraries support the departments, institutes and degree programmes in their projects.

Relational Capital

FH JOANNEUM has established close partnerships with business enterprises to strengthen the competitiveness of Styria both as a business location and as a centre of research. Partnerships with universities both in the region and at the national and international level ensure the exchange and advancement of research results.

CORE PROCESS “CONTINUING EDUCATION”

Human Capital

FH JOANNEUM staff offer their broad knowledge gained in teaching and application-oriented research projects to a wider public in the form of continuing education. FH JOANNEUM is a reliable partner in lifelong learning.

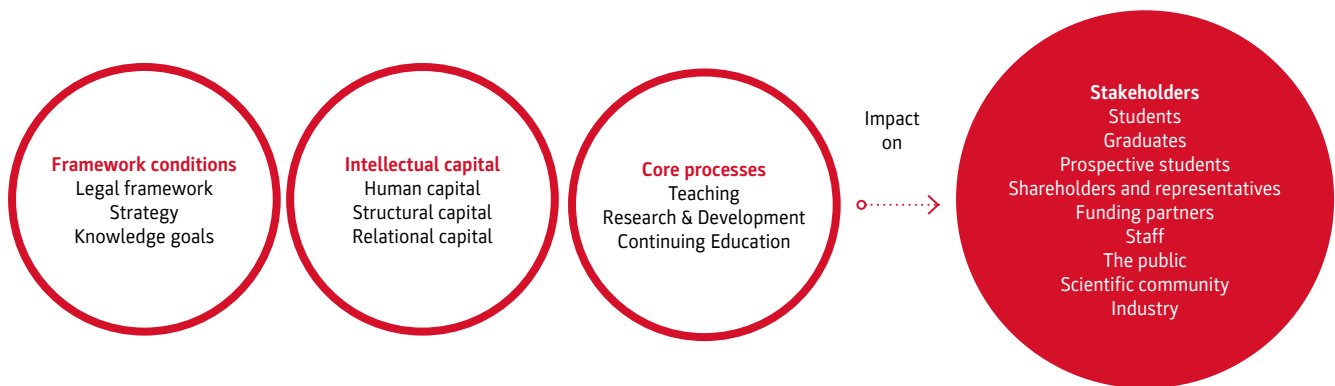
Structural Capital

FH JOANNEUM provides effective structures for targeted continuing education by organising regular lecture series, part-time Master's courses, symposiums, the SUMMER BUSINESS SCHOOL and e-learning courses.

Relational Capital

The continuing education programme of FH JOANNEUM enables people from industry and society as well as its own graduates and staff to update their knowledge on a regular basis and thus strengthen their expertise.

The Intellectual Capital Model of FH JOANNEUM



The legal environment, strategies and knowledge goals of FH JOANNEUM are the framework conditions essential in creating and developing the intellectual capital and the core processes.

The intellectual capital is divided into three areas: human capital, structural capital and relational capital.

Human capital describes the skills and competencies of FH JOANNEUM staff, as well as their motivation and learning ability.

Structural capital assesses the environment that employees need to work productively and innovatively. It includes structures, processes and procedures documented at FH JOANNEUM.

Relational capital shows the extent to which FH JOANNEUM is interlinked with external partners and perceived by interested parties. It refers to networks and cooperation with research institutions and universities or business enterprises.

The core processes are divided into the areas of teaching, research and development, and continuing education.

The benefit of all these core processes is ultimately reflected in the output and impact. The success of the processes is measured by their impact on the relevant stakeholder groups, such as graduates or funding partners.

We can be proud of the achievements of FH JOANNEUM. And the Intellectual Capital Report is a suitable instrument to report on our achievements in teaching, research and continuing education.

1. INTELLECTUAL CAPITAL OF FH JOANNEUM

1.1. HUMAN CAPITAL

Indicator "Human Capital"

01

	2013/14	2014/15	2015/16	Period under review	Trend	Objective
Number of FH JOANNEUM employees (full-time equivalent) ¹	447.8	463.2	475.45	as at 30/06/16	↑	↑
Number of FH JOANNEUM employees	578	594	624	as at 30/06/16	↑	↑
Gender breakdown of staff				as at 30/06/16		
- male	286	295	305		↑	↑
- female	292	299	319		↑	↑
Number of faculty members ²	188	194	200	as at 30/06/16	↑	↑
Number of affiliated lecturers ³	879	908	933	AY 2015/16 ⁴	↑	↑
Gender breakdown of affiliated lecturers				AY 2015/16		
- male	611	621	647		↑	↑
- female	268	287	286		↑	↑
Number of administrative staff - central services	137	138	149	as at 30/06/16	↑	↑
Number of employees holding a FH professorship	42	46	41	as at 30/06/16	↓	↑

↑ Objective: increase value ↓ Objective: decrease value ↔ Objective: maintain value

Proportion of women at 51%

The number of employees increased from 594 to 624 in the reporting period 2015/16, with the proportion of women being 51%. There has also been an increase in faculty members and affiliated lecturers compared to the previous years. The gender breakdown of affiliated lecturers in Table 1 shows that more than twice as many men than women work as affiliated lecturers at FH JOANNEUM.

Figure 3 shows that the proportion of administrative staff for the degree programmes including other units remains significantly higher than the proportion of administrative staff in the central service departments. This is due to a strong decentralised organisation of administrative activities. The number of research assistants has increased slightly from 97 to 103.

Trend towards higher qualification

The proportion of faculty members in teaching and research who do not hold a university degree has significantly decreased from 7 to 4.5 percent compared to the previous year. The proportion of faculty members and research assistants holding a doctoral degree or postdoctoral lecturing qualification has remained almost constant. It is the first time that employees with a Bachelor's degree are shown in a separate category and are not included in the Diploma/Master's category (see Figure 4).

Therefore, no direct comparison can be made with previous year's values. As shown in Figure 5, the qualification structure of the affiliated, i.e. part-time, lecturers has remained almost constant compared to the previous year.

The number of employees holding the title "FH Professor" has decreased from 46 to 41 (see Table 1) in the reporting period due to staff fluctuations.

- 1 The number of employees includes employees on parental leave, exclusive of temporary employees and assigned civil servants.
- 2 Value includes heads of degree programmes and professional lecturers (persons with several employment relationships are counted only once).
- 3 Total across all degree programmes and courses. Lecturers teaching on several degree programmes and courses are counted only once.
- 4 AY = academic year

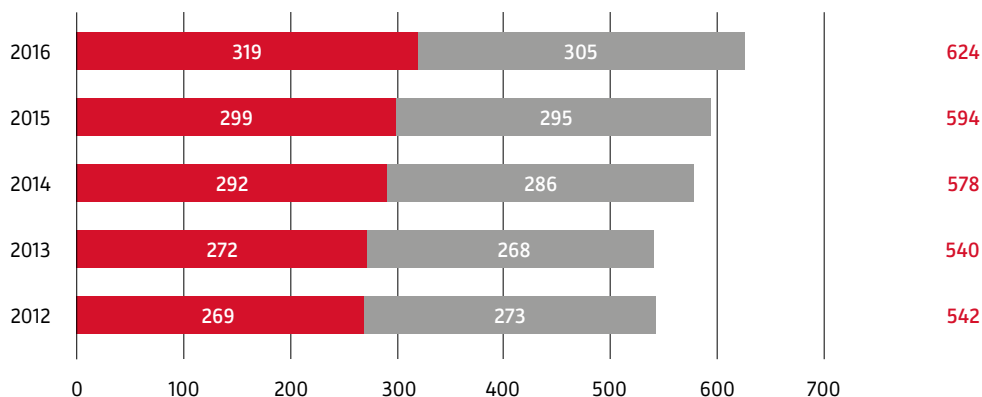
The title "FH Professor" was awarded to Priv.-Doz. DI Dr. Christian Vogel, Head of the Electronics and Computer Engineering programme in the academic year 2015/16. On 1 June 2016, Eva Mircic, BSc MSc, was appointed head of the new Institute of Health Care and Nursing and the Bachelor's programme of the same name, which was launched in autumn 2016/17.

Number of employees

02

- female employees
- male employees

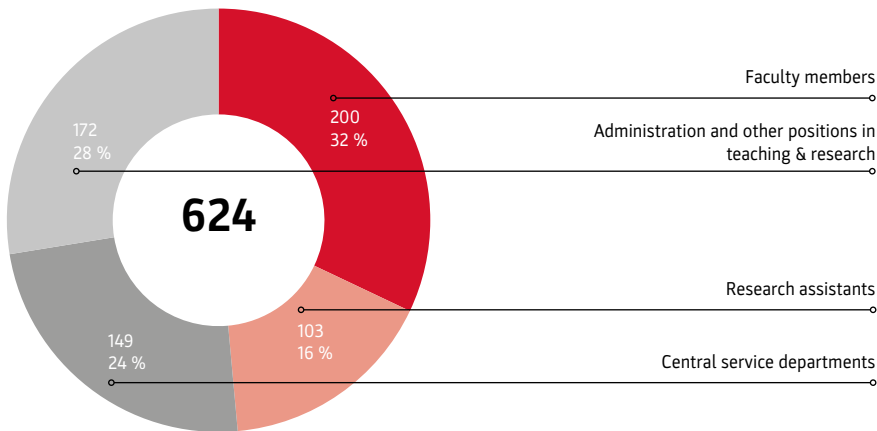
as at 30/06



Occupational structure of employees

03

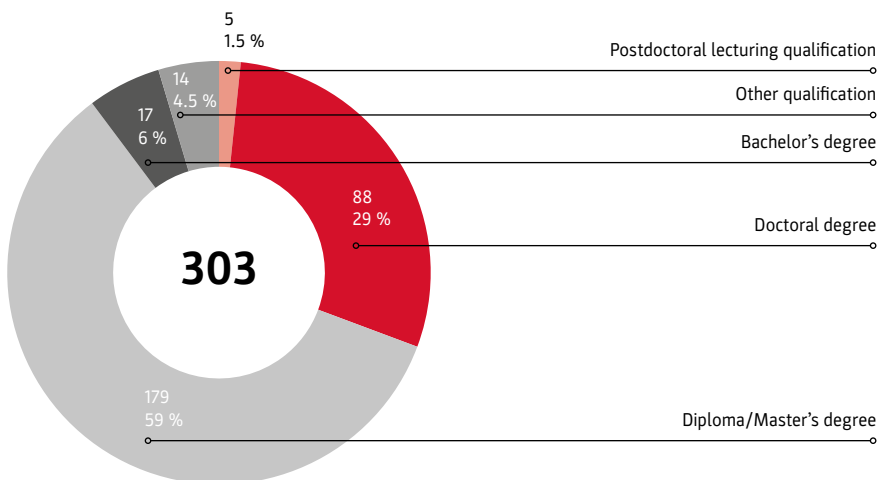
as at 30/06/2016



Faculty members and research assistants by highest qualification

04

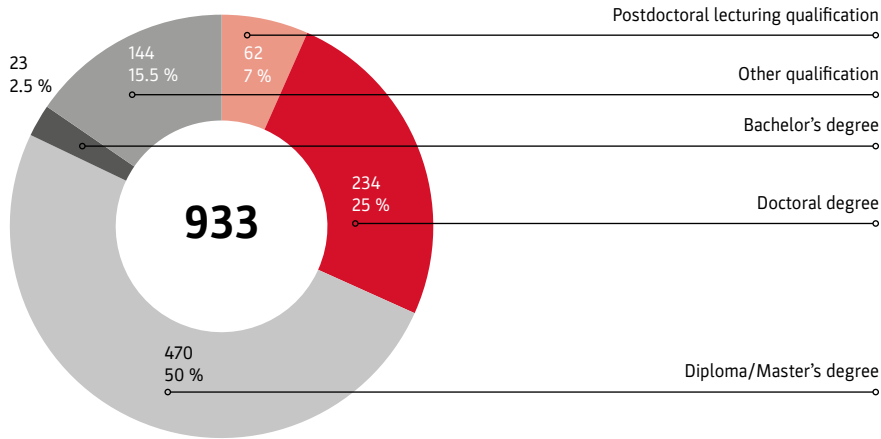
as at 30/06/2016



Affiliated lecturers by highest qualification

05

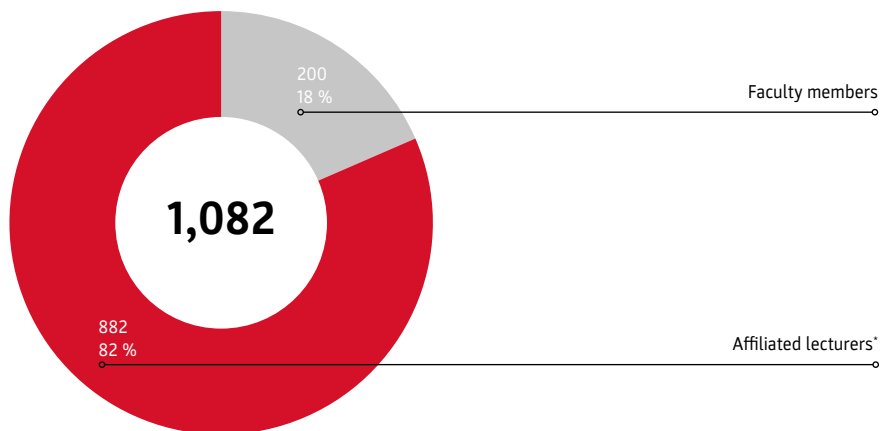
AY 2015/16



Total number of lecturers

06

as at 30/06/2016 or AY 2015/16

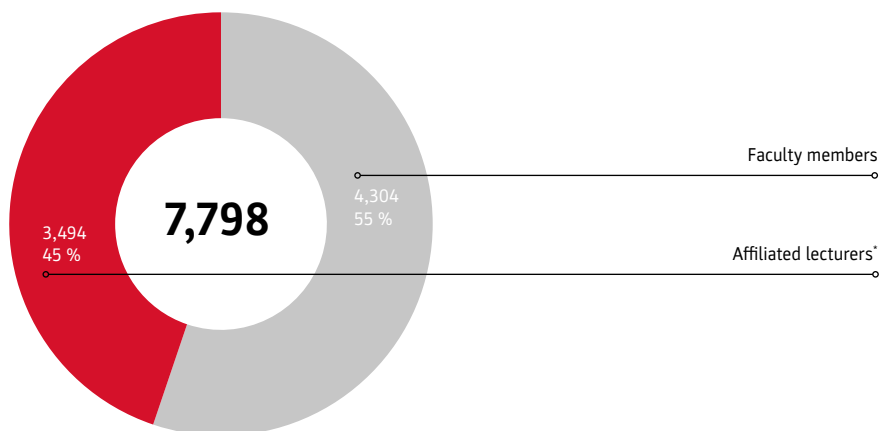


* excluding lecturers on postgraduate courses

Hours per week offered (taught)

07

AY 2015/16



* excluding lecturers on postgraduate courses

1.2. STRUCTURAL AND RELATIONAL CAPITAL

Indicator "Structural Capital"

08

	2013/14	2014/15	2015/16	Period under review	Trend	Objective
Expenditure on literature and media ⁵	€ 231,644	€ 240,400	€ 334,807	FY 2015/16 ⁷	↑	←→
Students per computer ⁶	2.28	2.37	2.57	as at 30/06/16	↑	←→
Space per student by campus (m ²)				as at 30/06/16		
- Graz			9.15			
- Kapfenberg	-	-	8.39		-	-
- Bad Gleichenberg			6.57			

Indicator "Relational Capital"

09

	2013/14	2014/15	2015/16	Period under review	Trend	Objective
Number of partner universities	217	247	266	as at 30/06/16	↑	↔
Number of outgoing lecturers (Erasmus+)	37	23	22	FY 2015/16	↓	↑
Number of incoming lecturers (Erasmus+)	24	18	29	FY 2015/16	↑	↑
Number of outgoing employees under Erasmus+/Staff Training ⁸	14	26	26	FY 2015/16	↔	↑
Number of outgoing students	215	257	244	FY 2015/16	↓	↑
Number of incoming students	210	200	223	FY 2015/16	↑	↑

State of the art

Making targeted investments in state-of-the-art infrastructure – despite ubiquitous economic constraints in the tertiary education sector – is a key prerequisite to enabling students and staff to work in a productive and motivating environment. Key indicators in this context include the range of literature and media offered by the library and the number of computer places available to students. Table 8 demonstrates our continued efforts to remain at the cutting edge in this vital area of the tertiary education sector. The indicator "space per student by campus" has been newly introduced in the 2015/16 reporting period. Comparisons with previous years are thus not yet possible.

266 partner universities

The networks established with universities worldwide and the resulting mobility opportunities for teaching staff and students are an important success factor for FH JOANNEUM, which cooperated with 266 universities during the reporting period. The financial year 2015/16 was again marked by continued international exchange activities as illustrated by Table 9: almost all categories show a stable positive development over the past three years.

- 5 EUR; investment "Library" (rounded).
- 6 Figure is based on all PCs in seminar rooms, lecture halls and laboratories, including CAD laboratories.
- 7 FY = financial year
- 8 The "Staff Training" programme under Erasmus+ is an exchange promotion programme encouraging administrative employees to gather experience in their area of work at foreign partner universities.

We are committed to expanding our horizons and gathering international experience. This is demonstrated by our partnerships with 260 universities worldwide and the positive development in the number of incoming students.

2. CORE PROCESSES OF FH JOANNEUM

2.1. TEACHING

Indicator "Teaching"

10

	2013/14	2014/15	2015/16	Period under review	Trend	Objective
Number of degree programmes ⁹	41	46	46	as at 15/11/15	↔	↑
Number of applicants	4,557	5,265	5,191	as at 25/09/15	↓	↑
Number of students	3,830	4,000	4,127	as at 15/11/15	↑	↑
Breakdown of students				as at 15/11/15		
- Bachelor's degree programmes	2,797	2,861	2,899		↑	↑
- Master's degree programmes	952	1,117	1,222		↑	↑
- Diploma degree programmes ¹⁰	81	22	6		↓	-
Number of drop-outs	346	287	302	15/11/15-15/11/16	↑	↓
Number of drop-outs in relation to number of students (%)	9 %	7 %	7 %	15/11/15-15/11/16	↔	↓
Number of graduates	1,144	1,143	1,165	15/11/15-15/11/16	↑	↑
Breakdown of graduates				15/11/15-15/11/16		
- Bachelor's degree programmes	760	788	707		↓	↑
- Master's degree programmes	325	340	458		↑	↑
- Diploma degree programmes	59	15	0		↓	-

Increase in student numbers

The FH JOANNEUM offered a total of 46 degree programmes in the reporting period 2015/16, which is the same figure as in the previous year (see Figure 11). A new Bachelor's degree programme in Health Care and Nursing was launched in Graz in the academic year 2016/17.

The number of students has increased by 127 from the previous year, with a

total of 4,127 students being enrolled on the FH JOANNEUM degree programmes in the reporting period. The number of applicants has decreased by 74 to 5,191. This slight decrease is due to the fact that the Bachelor's degree programme in Midwifery has a two-year admission interval and did not take in new students in the 2015/16 academic year. As a result, there were no applicants for this course in the period under review.

As Figure 13 shows, the growth in student numbers continued in 2016: a total of

4,288 students are studying at FH JOANNEUM in the winter semester 2016/17. Some 21 percent of these students are studying at the Department of Management, making it the largest department, followed by the Engineering Department with 19 percent of students and the Departments of Building, Energy & Society and Health Studies, each accounting for 16 percent of students (see Figure 14).

1,165 graduates

A total of 1,165 graduates successfully completed their studies at FH JOANNEUM in the reporting period. This is 22 higher than the previous year's figure of 1,143. This development is illustrated in Figure 15.

The Department of Management also accounts for the majority of graduates with 25 percent, followed by the Department of Building, Energy & Society with 18 percent and the Departments of Engineering and Health Studies with 16 percent each (see Figure 16).

Reducing the drop-out rate

The drop-out rate has stabilised at a low level of seven percent in the reporting period 2015/16, showing that the relevant instruments introduced by FH JOANNEUM have again proved successful. The measures include, for example, providing advice to potential students prior to the start of studies, the introductory phase, mentoring programmes and coaching students in difficult situations during their studies, especially for those taking part-time courses, or the mathematics warm-up programme.

9 Degree programmes approved and active in the period under review.

10 Includes students who are enrolled on phased-out diploma degree programmes and have not yet completed their studies.

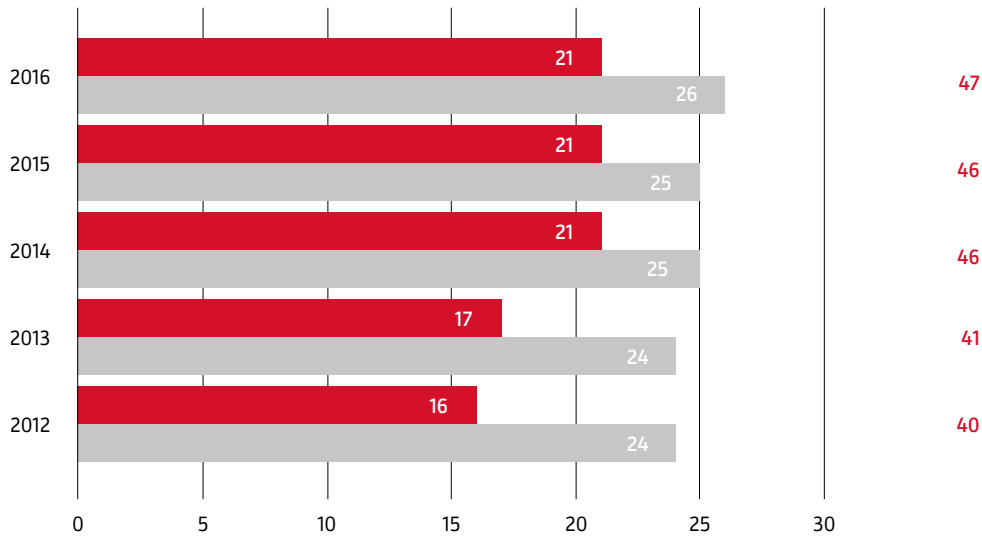
FH JOANNEUM has a track record of success in the tertiary education sector: over 4,000 students benefit from project and practice-oriented education and individual support from lecturers with profound theoretical and practical experience.

Bachelor's and Master's degree programmes

11

- Master's degree programmes
- Bachelor's degree programmes

as at 15/11



Bachelor's and Master's degree programmes by Department

12

as at 15/11/2016

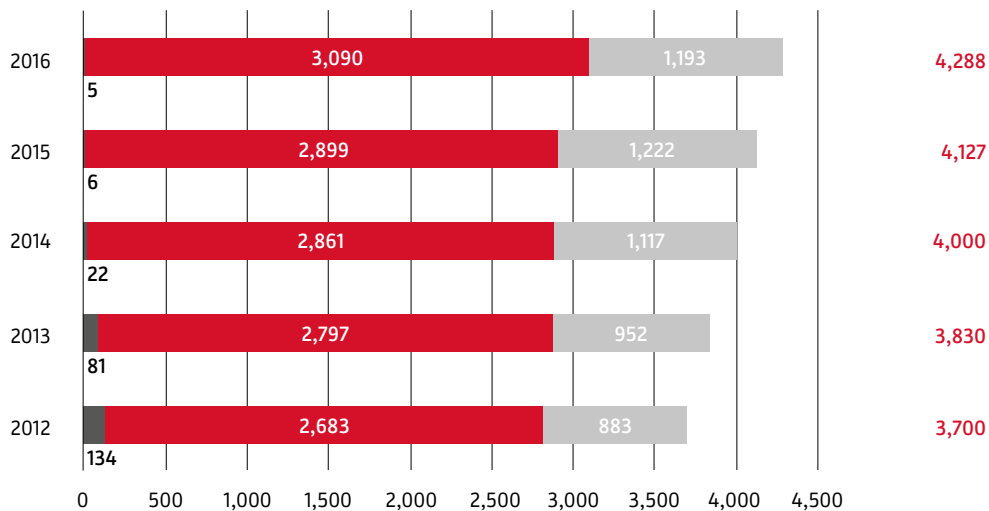
	Bachelor's degree programmes	Master's degree programmes
APPLIED COMPUTER SCIENCES	3	4
ENGINEERING	5	4
HEALTH STUDIES	8	1
BUILDING, ENERGY & SOCIETY	3	4
MEDIA & DESIGN	3	4
MANAGEMENT	4	4
	26	21

Students

13

- Diploma degree programmes
- Bachelor's degree programmes
- Master's degree programmes

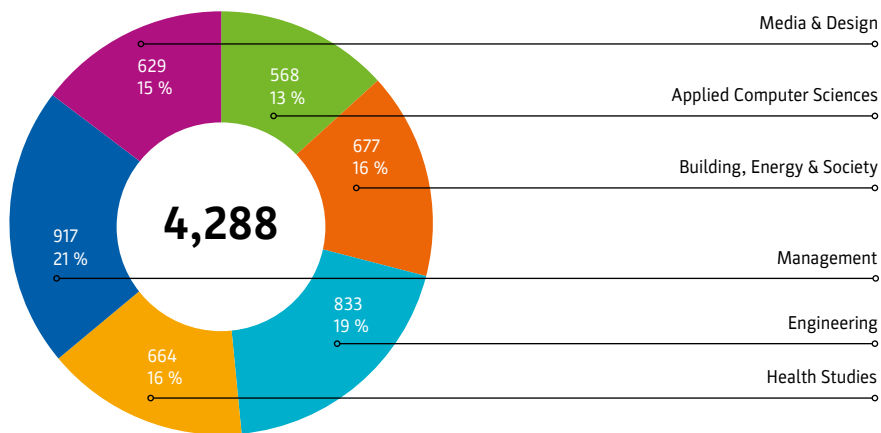
as at 15/11



Students by Department

14

as at 15/11/2016

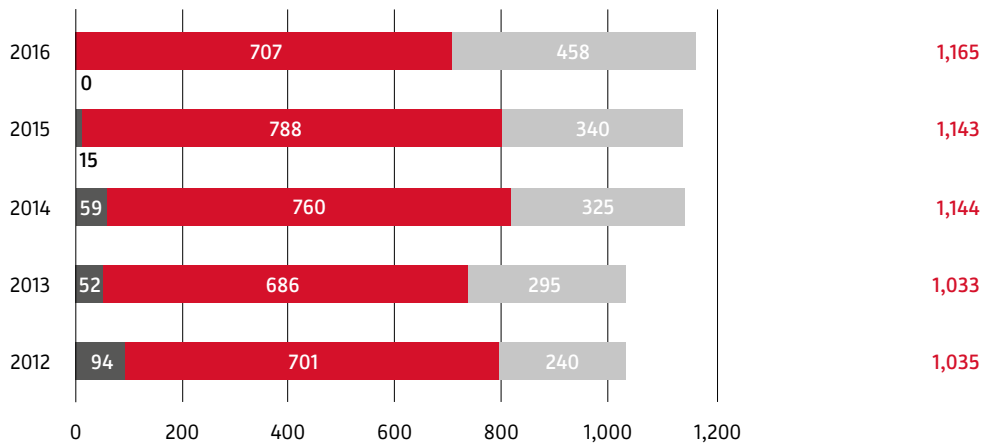


Graduates

15

- Diploma degree programmes
- Bachelor's degree programmes
- Master's degree programmes

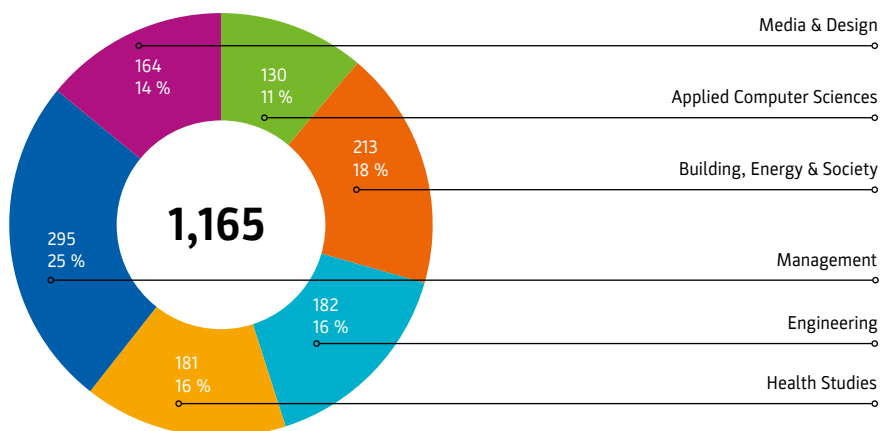
as at 15/11



Graduates by Department

16

as at 15/11/2015-15/11/2016



2.2. RESEARCH AND DEVELOPMENT

Indicator "Research & Development"¹¹

17

	2013/14	2014/15	2015/16	Period under review	Trend	Objective
Number of employees financed through third-party funded R&D projects (full-time equivalent) ¹²	68.1	72.0	84.9	as at 30/06/16	↑	↑
Number of R&D projects ¹³	464	532	450	FY 2015/16	↓	↔
Revenue from R&D projects ¹⁴	€ 5,240,948	€ 5,777,774	€ 6,128,869	FY 2015/16	↑	↑
Revenue from R&D projects (%)				FY 2015/16	↓	↑
- national	83 %	87 %	81 %		↑	↑
- international	17 %	13 %	19 %			
Number of publications ¹⁵	401	416	515	FY 2015/16	↑	↑
Number of employees enrolled in doctoral programmes at other universities / of which completed	51/5	53/6	54/8	FY 2015/16	↑/↑	↑/↑

Research activities on the increase

In line with the trend observed over the past few years, the operating revenue from research and development has again increased substantially by about six percent in the reporting period 2015/16. The R&D operating revenue has thus increased by 24% over the past three financial years.

The number of publications has also increased considerably, as can be seen in Figure 19. The largest increase, namely 72, was observed in the category "Journal articles".

Research funding – 58 percent of total revenue

The lower number of R&D projects and higher proportion of international revenue is due to an increase in large-scale research projects carried out under national and international funding programmes in the financial year 2015/16. This is reflected in the dominant share of funded projects, which account for around 58% of overall revenue, as shown in Figure 18.

- 11 Sum of all project-related activities allocated to transfer cost centres in the corporate ERP system (R&D projects, measurement and testing, consulting activities and studies). The indicator "Awards for research achievements and innovative projects" is no longer included.
- 12 The number of scientists financed through third-party funded R&D projects has been replaced by the number of employees financed through third-party funded R&D projects, which includes technicians. The figures for 2013/14 and 2014/15 give the number of scientists financed through third-party funded R&D projects (which is 66.1 for the current reporting period).
- 13 Number of ongoing R&D projects within the reporting period.
- 14 Revenue from R&D activities allocable to the financial year, including changes in inventory.
- 15 Sum of all publications by employees of degree programmes, courses, institutes and central departments. Publications with several authors are counted for each author, which may result in double-counting.

National

A substantial portion of funding at the national level comes from the Austrian Research Promotion Agency (FFG). In the reporting period 2015/16, work continued on several large cooperation and network projects under the COIN Programme which had already been approved in the previous years. These include, among others, the "Health Perception Lab" and the projects "EIPEC - Efficient Integrated Power Electronics" and "KMU goes mobile", which focuses on software development. Another focus was on the implementation of two "Research Studios Austria", including the JOANNEUM Power Electronics Center based at the Institute of Electronic Engineering, which aims to increase the energy efficiency of future electronic components and power electronics.

Numerous research projects were also carried out in other FFG programme lines. These include cooperative projects with research and industrial partners in the programmes "City of the Future" and "Mobility of the Future" or the aviation

programme "Take-off". A range of training and qualification topics were investigated in various FFG-funded projects, either in cooperation with schools as part of the "Talente regional" programme, or in cooperation with industrial partners in so-called qualification networks. Projects funded under the Future Fund and the Health Fund of the Styrian government, e.g. on the topic of healthy living and ageing, have also contributed to the increase in R&D revenue.

International

Revenue from international R&D projects has increased from 13% to 19% of overall revenue in the reporting period 2015/16. This six-percent increase is largely due to participation in the EU's Erasmus Plus programme, as also the Lifelong Learning Programmes of the previous EU funding period. The focus is on the areas of quality-oriented higher education development and management, entrepreneurship and knowledge transfer between different target groups: from regional innovation systems through to cross-border networks.

Projects carried out under the expiring 7th Framework Programme included topics such as information systems, energy and electric mobility. Research was also undertaken as part of dedicated programmes launched by the EU, such as the ENIAC Joint Undertaking with a focus on "Automotive Electronics" or the Competitiveness & Innovation Framework Programme (CIP) with a focus on "E-Health".

Contract research - 35% of total revenue

The major share of contract research projects came from large companies, which account for 35% of total revenue (see Figure 18). Focus areas in the reporting period 2015/16 included mobility and electronics, tools for software development, application of software for improving IT processes and the development of virtual prototypes and products. Healthcare topics are also gaining increasing importance, from developments in biomedical analysis for pharma companies through to innovative services in the health professions and in health management.

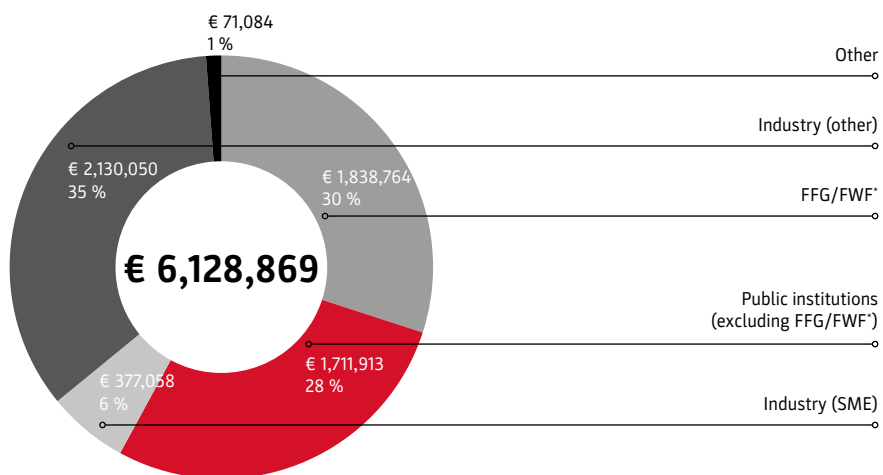
Project example from the FFG "Take-Off" programme:

Cabin4All - aircraft cabin for barrier-free access: In future, aircraft will need to provide barrier-free access, as is already the case for trains. The Cabin4All project of the Institute of Aviation developed and evaluated measures offering real added value for passengers with reduced mobility while at the same time providing a high level of efficiency for airline operators.

Revenue from R&D projects by clients

18

FY 2015/16

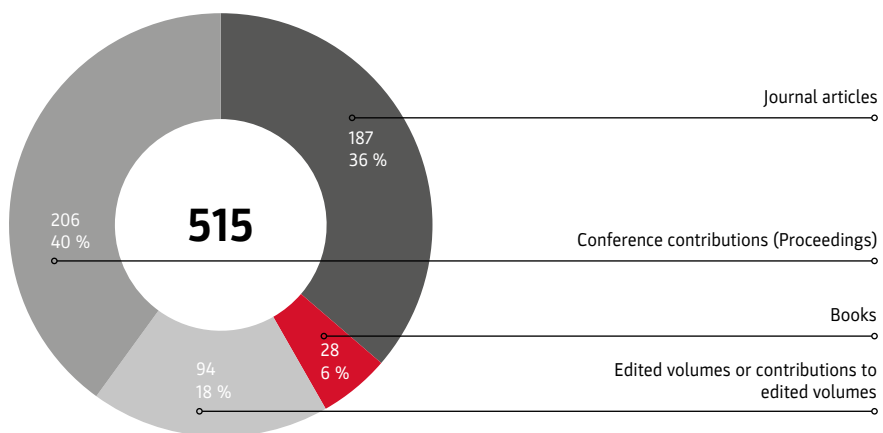


* FFG: Austrian Research Promotion Agency / FWF: Austrian Science Fund

Publications

19

FY 2015/16



2.3. CONTINUING EDUCATION

Indicator "Continuing Education"

20

	2013/14	2014/15	2015/16	Period under review	Trend	Objective
Continuing education hours per employee ¹⁶	46.30	39.14	38.68	FY 2015/16	↓	↑
Continuing education costs per employee ¹⁷	€ 1,485	€ 1,450	€ 1,569	FY 2015/16	↑	↑
Continuing education events organised by FH JOANNEUM ¹⁸	156	129	145	FY 2015/16	↑	↑
Continuing education events carried out by FH JOANNEUM staff ¹⁹	632	567	675	FY 2015/16	↑	↑

Indicator "Continuing Education" / postgraduate courses

	2013/14	2014/15	2015/16	Period under review	Trend	Objective
Number of postgraduate courses ²⁰	6	6	5	AY 2015/16	↓	↑
First-year places	152	111	127	AY 2015/16	↑	↑
Number of total hours taught per week	148.25	185	224	AY 2015/16	↑	↑
Number of participants	110	116	135	as at 15/11/15	↑	↑
Number of graduates	39	47	71	15/11/15-15/11/16	↑	↑

"E-learning: Why not? A critical reflection on methods and tools" was the motto of the 15th E-Learning Day at FH JOANNEUM. The track "Didactic approaches" provided insights into competence-oriented e-learning and various online learning settings. In the track "All about school", experts gave an overview of the potential of the new digital media in day-to-day school life. Tools such as 3D e-learning, web conferences or the use of mobile end devices in teaching were presented in the track "The technical side".

Broad knowledge transfer

In line with the principles of lifelong learning, FH JOANNEUM is offering a wide range of postgraduate Master's courses and tailored continuing education programmes for internal and external stakeholders. The portfolio includes seminar series such as the SUMMER BUSINESS SCHOOL, preparatory courses such as the qualification course for university entrance or internal courses in support of teaching staff such as continuing education in university didactics. Numerous lecture series and symposiums round off the continuing education portfolio. Significant growth is expected for the part-time postgraduate Master's courses over the next few years.

High priority is placed on exporting knowledge to other universities, institutions and organisations. This active knowledge transfer, which takes place in the form of a total of 675 teaching assignments for external courses as well as extracurricular lectures, seminars and courses, is shown in Figure 21.

Committed to continuing staff education

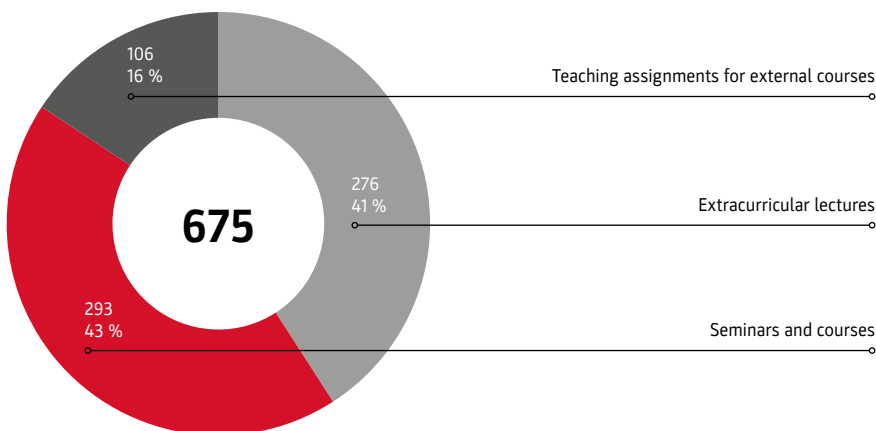
The personal and professional development of employees is essential for job satisfaction and for maintaining and developing their professional qualifications. Lifelong learning takes place both at external course providers, especially when it comes to providing specific knowledge in niche areas, or in internal courses developed for specific target groups in house, such as continuing education in university didactics, the seminars and workshops offered by ZML – Innovative Learning Scenarios or the SUMMER BUSINESS SCHOOL. In the 2015/16 financial year, an average of 1,569 euros per employee were spent on continuing education.

- 16 Average of total hours of continuing education completed (at continuing education events attended) by employees of all degree programmes, courses, institutes and central departments. Number of employees based on full-time equivalent.
- 17 Continuing education costs corresponding to material costs (including travel and accommodation) per cost centre, divided by the number of employees per cost centre based on full-time equivalent (rounded).
- 18 Number of seminars, courses, lecture series, conferences and symposiums organised and carried out by degree programmes, courses, institutes and central departments of FH JOANNEUM.
- 19 Number of extracurricular lectures, seminars, courses and teaching assignments carried out by FH JOANNEUM employees at other universities, institutions and organisations.
- 20 Postgraduate and other courses offered by FH JOANNEUM in the relevant academic year.

Continuing education provided by employees

21

FY 2015/16



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