A word from the President & Director

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Financial Statement
Ladies and Gentlemen,
Dear members of the iimt world,

The education sector is in a constant state of change. In 2018, the iimt’s main focus was to ensure that we continue offering education and research at the highest possible standard of quality. Besides offering a unique and agile learning experience, the iimt goal is to foster an inspiring environment for future game-changers, and a networking hub for professionals.

The iimt offers modular and flexible Executive Programmes and all our courses were conducted with great success. This flexibility allows participants to schedule their work, personal life and study programme efficiently. In an agile environment, educational programmes like the iimt’s Executive MBA, Executive Diploma or Executive CAS programmes, must meet participant’s and market’s requirements. Therefore, the iimt focused on the course structure, course contents as well as the corresponding teaching methods, and further modernised the Executive Programmes.

Last year not only started with our executive courses and top-of-the-class lecturers, but the first months of the year were also marked by several networking activities and events shining a bright light on the iimt and its Executive Programmes.

Main success factors of all our Executive Programmes are certainly our outstanding lecturers and experts in our courses. In the past year, we cooperated with more than 70 international lecturers and experts from leading Universities, business schools, renowned industries and government institutions.

The Chair of Management in ICT in parallel published and presented at national and international conferences and reviews and was active in a variety of cutting-edge research projects. Additionally, we were active in other research fields where we approached, successfully managed, and executed as planned a number of various and exciting projects. One of our flagship project is most certainly the active participation in the Smart Living Lab – a research and development centre for the future of the built environment.

The iimt puts a lot of focus on cooperation with industry partners and other national and international Universities. This exchange of know-how and experience was, and will be, invaluable for the institute itself and all its stakeholders. As a direct result of our industry relations, we were enabled to develop and realise new educational programmes, as well as new research projects.

Our motivation as a leading Swiss competence centre is to provide mutually inspiring environment for excellent postgraduate education and cutting-edge research in the field of Management in Technology. We are humbled and thankful to all members and participants – you have made many of our activities possible with your invaluable active participation and support. We would like to take this opportunity to thank all our participants, lecturers, partners and team members for the continuous trust they are placing in us, and we are looking forward to another exciting year with you.

Many thanks to everyone!

Dr. Hans C. Werner
President of the iimt

Prof. Dr. Stephanie Teufel
Director of the iimt
The international institute of management in technology (IIMT), as part of the University of Fribourg, is a leading Swiss competence centre for Management in Technology and is committed to excellent education and research.

**Our Vision**
Our vision is to develop future game-changers who will have an impact in society, who can face technology-driven challenges and who can provide solutions for identified emerging issues in a global business environment.

**Our Mission**
Our mission is to provide mutual inspiring environments for excellent postgraduate education and cutting-edge research in the field of Management in Technology. We strive to enable a unique and agile learning experience by linking national and international academics and practitioners with the most recent tools and learning techniques. Individual learning and research objectives are realized through stakeholder proximity and strong partnerships. We pool people, cultures, ideas, services and technologies to create real value adding for society.

**Our Values**

**Excellence**
We foster cutting-edge research and education and strive for excellence in all we do.

**Responsibility**
Our cultural cornerstones are transparency, integrity, ethics, and social responsibility.

**Openness**
We live critical thinking and intellectual and passionate creativity, and we encourage an entrepreneurial plus intrapreneurial mindset.

**Humanness**
We educate, energize and encourage people to strengthen human-centric business culture.
The iimt Executive Programmes
The Executive Programmes

The iimt Executive Programmes offer an access to a set of skills enabling participants to innovate, produce consistently superior results and successfully lead global business organisations. We are committed to the success of everyone who entrusts the iimt with their education. This is why we offer modular and flexible programmes that provide a great deal of flexibility allowing everyone to tailor their studies around their busy schedules. Our students can extend their studies over several years and they have the flexibility to plan their programme as they see fit. All our courses are focusing on Technology Management, and are continuously adapting to be in line with new technologies and developments in the digital world.

Here at the iimt we put a lot of focus on connecting theory and practice. In order to do so, we continuously collaborate with top experts who share their invaluable experience with our students through practical case studies. Our students had an opportunity to discuss and exchange ideas and knowledge with lecturers and other participants from different companies and industries.

In 2018, the iimt was chosen by numerous students as their “number one choice” to expand their knowledge and experience through a variety of offered programmes like the Executive MBA, Executive Diploma, Executive CAS study programme or Special Courses. Our Alumni Network also welcomed 12 new members.

The iimt is continuously reinventing itself with a vision and commitment to developing future game-changers who will have a positive impact on society and provide answers to upcoming challenges of the global business environment.

skyguide IMT Training

The iimt originally hosted 16 skyguide’s (provider of civil and military air navigation services in Switzerland) managers for four days in April and June 2018 when three iimt lecturers shared their know-how. The first block of two days focussed on “Strategy” and “Finance”. In the second block Prof. Dr. Alfes introduced the participants into “Organizational Behaviour” and “Change Management”. The courses were conducted in English, at the iimt at the University of Fribourg.

Following these successful trainings at the iimt, skyguide has decided to expand the collaboration and include the iimt to in their internal programme for further education. The next skyguide IMT Programme is already scheduled and takes place in 2020. Special thanks to Prof. Dr. Robert Zaugg, a former lecturer at the iimt, who initiated this cooperation showcasing just how strong connections formed at the iimt can be.

About the Executive Programmes
Highlights of the Year 2018

In order to keep up with changes in the global business environment, we have restructured and refreshed over 75% of our modules ensuring that the content is relevant and up to date. Last year we welcomed new professors and lecturers bringing in strong new academic and practical knowledge from different universities and industries. We restructured some of our modules to ensure that we are in line with the latest trends, such as digitalization. “Managing Innovation” is one of rebranded modules, which covers the formulation of technological innovation strategy, and implementation of business modules and innovation strategies.

Students can familiarise themselves with some of their modules through prep-work giving them a head start with the courses. We have ensured that our courses are rich with interesting content and case studies. To make our programmes even more flexible we also adjusted our examination process – some courses will require students to apply and showcase their knowledge in a final paper, while the others will be graded through a written exam or presentation. All our modules have one thing in common – active participation is the most important and focused on factor when it comes to a final grade.

We offer a wide range of programmes to future managers and entrepreneurs: seven different Executive CAS, two Executive Diploma and our Executive MBA Programme. Within our programmes, students can choose and benefit from a wide range of modules that can be combined into a study programme, tailor-made according to individual needs and preferences.

Developments in current and digital transformation are actively seeping into all corners of the economy and society. As everything else academia is not immune to digitalisation – our Executive Programmes among other things fostering paperless educational environment. We are increasingly present on Social Media channels keeping in touch with our students and friends.

The Innovation Management & Intrapreneurship CAS was launched in 2018 in close cooperation with our partner – INNOArchitects. The new CAS format is a unique offer on Switzerland’s continuous education market, combining academic education and practice through real-life case studies. Our new CAS Programme was attended by 17 students from different companies such as SRG, Swiss Post and SBB. The Executive CAS in Innovation Management & Intrapreneurship prepares the students future challenges in a professional environment by optimally coordinating theory and practice. While studying at the iimt, students will have an opportunity to grow their network and meet with entrepreneurs, managers and leading Swiss innovation specialists.

About the Executive Programmes
Vincent Daglia-Zabellina (Executive MBA)
Les nouvelles générations de Blockchain et le Big Data au service d’une carte d’identité pour nos biens immobiliers. Un long voyage au sein de la transformation digitale.

Andreas Ebner (Executive MBA)
Asset Management eines ländlichen Verteilnetzbetreibers 2030.

Robert Feldmann (Executive MBA)
ICT-Markt Schweiz – wenn Differenzierungsfaktoren an Bedeutung verlieren.

Enrico Harlander (Executive MBA)
Business Model Development for the “Grid of Things”.

Bernhard Leutwiler (Executive MBA)

Victor Romero Ballesteros (Executive MBA)
Competetiveness of Smart Cities: The Case of Medelline – Colombia.

Alain Ruffieux (Executive MBA)
Asset Management of Power Distribution Grid: Joining Forces to Succeed.

Peter Grimm (Executive Diploma)
Go to Market with Non-Conventional Instrument Transformers.

Tarek Ghaoud (Executive CAS)
Smart Grid Technologies for the new challenges of the Distribution Network Operator.

University Press & Webshop

We have launched a new, simple and intuitive webshop in 2017. All of the iimt’s publications can be found, purchased and immediately downloaded there. Available publications cover a variety of topics such as Digital Transformation, Agile Innovation, New Technologies and Industry 4.0. Always up to date, the webshop is a perfect way to check out what our students learned during their studies at the iimt, what they researched on and which topics are trending in the field of Management in Technology.
Facts & Figures

29 new students registered for our Executive Programmes in 2018

8 different nationalities were represented in our classrooms in 2018

10 subject area coordinators from around the world ensured our content is up to date

7 main industries were represented by or students, ranging from ICT & Utility to Transport & Logistics

14 iimt team members made the students’ stay at the iimt a comfortable and unforgettable experience

20% female students have taken part in our courses in 2018

70 outstanding lecturers from leading Universities, and business experts participated in the delivery of the iimt’s courses

Fun Facts

12 kilograms of chocolate were eaten during our courses in 2018

3 afterworks were done during the year 2018 with our students, lecturers and the iimt team

496 hours was the running time of the technical infrastructure in our classroom in 2018

2500 litres of water were drank during our courses in the year 2018

520000 steps were made by our course manager in 2018
iimt Leaders Launch – Graduation

In 2018 our traditional graduation ceremony changed its look! It took place in a festive and friendly atmosphere on 29th November 2018, in Fribourg. The ceremony was held in the restaurant “Pinte des trois canards” in Fribourg’s old town where we awarded our graduate with their well-earned Executive MBA and Executive CAS diplomas. A perfect evening with a great atmosphere celebrating our graduates’ success!

Prof. Dr. Stephanie Teufel, Director of the iimt, addressed the attendees and congratulated all our students on their outstanding success. Following a fantastic dinner, the graduates were formally presented with their diplomas and brand-new titles of “Executive MBA in Management in Technology”, “Executive Diploma in Management in Technology” and “Executive CAS in Management in Technology”. The evening was well spent with lots of opportunities to network and look back on fond memories.

Best Paper Award and Special Prizes

Every year, we review previous year’s Executive MBA and Executive Diploma projects and present the best one with the Best Paper Award. During the process of deliberation, we look at following criteria: topicality, academic and scientific aspects, overall impression, connection to the technology domain, interest of the target audience and global interest of the publication.

All projects are evaluated by our awarding committee, whose members are respected representatives from the industry and the academic world. While we are proud to say that all of the projects were done at a very high standard, the following graduate was recognized by the committee for his outstanding work:

The winner of the Best Paper Award 2017 was Marc Chételat, for his project titled “Influence of cross-cultural factors on the success of introducing a Knowledge Management Approach”.

The iimt team would like to use this opportunity and once again congratulate the winner!
A Short Overview

One of the most important missions of the marketing department is to inform and to communicate effectively with all stakeholders: lecturers, current and future students, alumni, partners, team and council members. We aim to inform everyone within the iimt community about our programmes, research and other activities in a user friendly manner.

First and foremost, our goal is to keep in touch with our community of students, lecturers and industry partners who together contribute to iimt’s success story.

Our marketing activities are not only limited to reaching out to our current stakeholders. We also need to make sure that we reach those who are yet to become our students, lecturers or even partners. We work hard on ensuring that our network is always active and bustling within an ever-growing community of professionals.

Visibility

Modern times have brought us a variety of tools that provide us with easy and fast access to information and content. This makes it a challenge for organisations like the iimt to ensure they reach their target audience. In an attempt to spread our footprint the iimt has concentrated on increasing marketing presence, updating collateral and all advertisement material. The iimt organised and actively participated in several events such as energissima in Bulle, Powertage in Zürich and Explora in Fribourg.
A Variety of Activities

Throughout the past year, the iimt has increased its public exposure in different Swiss magazines, newspapers and newsletters through various advertisements, press releases, portraits and editorial articles. Promoting our Executive Programmes, research activities and the iimt itself.

iimt Newsletter eSignal & Website
Since we decided that 2018 was going to be a year of change we also made a decision to, after many successful publication, retire "eSignal" and replace it with an iimt Newsletter. The new format reaches out to approximately 1,500 individuals each time. The newsletter is sent out throughout the year, providing readers with a simpler and more interactive content, and ultimately informing them of all developments within iimt – our highlights from the previous period, upcoming courses, the Chair, and research activities. Those looking for more information can also find it on our website and Social Media.

Portraits, Editorial Articles
We are pleased to say that the iimt was subject in several publications. Furthermore, our Executive Programmes, research projects and activities were presented in a number of publications providing the iimt with exposure in both French and German speaking parts of Switzerland.

Facts & Figures

iimt press releases were sent to the Swiss media in 2018 (French & German)
new flyers and fact-sheets were updated and created in 2018 for our Executive Programmes
pictures were taken during our courses, lectures & research activities
course brochures were printed and distributed to potential partners, students and stakeholders
post-its were used for events, brainstorming sessions, meetings and conferences
iimt newsletter e-mails were sent with highlights and news in 2018
Our Event Highlights in 2018

In 2018, the iimt organised or actively participated in the following events:

- **25.01.2018**    ICT Networking Party in Bern
- **05.02.2018**    e-world Essen
- **26.02.2018**    Living Lab From Köln
- **19.03.2018**    Apéritif du printemps CCIF
- **12.-15.04.2018** Energissima Bulle
- **18.04.2018**    Customer Insight Workshop
- **26.04.2018**    Visit of the President of Germany
- **03.05.2018**    General Assembly Electrosuisse
- **05.-07.06.2018** Powertage Zürich
- **21.06.2018**    asut Seminar in Bern
- **21.08.2018**    Swiss-US Energy Innovation Days
- **03.09.2018**    General Assembly CCIF in Fribourg
- **13.09.2018**    Smart City Day Fribourg
- **22.09.2018**    Explora open days University of Fribourg
- **10.10.2018**    Journée de la recherche Fribourg
- **25.10.2018**    Smart Energy Party Spreitenbach
- **14.11.2018**    asut Kolloquium
- **29.11.2018**    iimt Graduation Ceremony
- **05.12.2018**    Open Doors Smart Living Lab

Our Network of Partners

We understand the importance of networking and partnerships in the business and professional world. That is why, in 2018, we paid special attention to our cooperation with renowned national and international companies.

Platinum & Gold Partners

Swisscom (Schweiz) AG, our Platinum partner, and Groupe e SA, our Gold partner are both taking an active role as leaders and contributors to high-quality education. We are actively collaborating with both partners in the fields of education, research, as well as planning and delivering lectures and events.

Bronze Partners

- asut
- Banque Privée Edmond de Rothschild S.A.
- BOC
- Campana & Schott
- Electrosuisse
- GITI - Groupement des Ingénieurs en TIC
- HEIA - School of engineering and architecture Fribourg
- Hostpoint
- INNOArchitects
- Münchner Kreis
- Smart Living Lab

Media Partners

- CRM Finder & Cloud Finder
- energete messenger
- Energie Finder & Security Finder
- ICT Kommunikation

Stammtisch - Afterwork - Jeudredi

In March 2018 we held our first “Stammtisch” where our students and Alumni had a chance to meet and network in a friendly atmosphere over a cold beer. Two more equally successful events followed in June and September 2018.
The Chair of Management in ICT
Strategic Project Management

Strategic Project Management, based on proven methods developed by PMI, is a Master of Arts course in Management & Information Management aims to provide students with theoretical knowledge and practical skills needed to successfully manage resources, processes and communication within a project. The course is aligned with PMBOK (Project Management Book of Knowledge), which is also in line with iimt’s aim to join up industry and academia, thus avoiding so called “ivory tower” approach. We always ensure that our students are exposed to project managers from a wide range of firms by inviting them to take active role as presenters in our lectures.

Innovation & Technology Management

New technologies, social changes and competitive pressures transformed classical innovation management into an agile, iterative and customer-oriented process. Our master course in Innovation & Technology Management offers students a theoretical and practical introduction to new innovation management methods. The course is divided in three thirds where first student will have an opportunity to familiarise themselves with individual steps of innovation processes and apply them in case studies. Following that, students are expected to expand their knowledge through innovation workshops in projects for industry, businesses or even their own projects. Finally students should be able to methodically launch, critically approach and implement innovation projects. We are careful to ensure that creativity, presentation techniques, team work as well as interdisciplinary approach are all encouraged in our workshops.

Digital (R)evolution – Change & Continuity

This master’s level course provided students with an insight into Transition Studies in the context of digitalization and digital revolution. From wider topic of Transition Studies the students focused on Strategic Niche Management, an approach of creating protective spaces (niches) in which potentially disruptive, market-changing innovations can be developed and tested without being exposed to market’s selection pressures. The course first provided students with a broad understanding of socio-technical transitions, followed by a range of tools and analytical approaches used in Strategic Niche Management. Finally, students were asked to apply their knowledge in real-life case studies. The case studies were done in partnership with SBB: a citizen science-based database for disabled passengers; a pilot project centred on electric scooters in a Swiss city; and the utilization of Bitcoins at SBB ticket machines.
Highlights of the Year

Two Best Paper Awards for the iimt energy research were awarded to “Cybersecurity Guideline for the Utility Business – A Swiss Approach” and “The ‘Energy Community Management’ Framework for Energy Service Providers”. These research studies were awarded as the best contributions in their respective categories at the 2018 International Conference on Smart Grid and Clean Energy Technologies (ICSGCE 2018).

The Crowd Energy Model 2.0:
Following very positive feedback on the first Crowd Energy Model, we invested more resources into CE Model 2.0. The model is an interactive physical simulation acting as a test bed for static and dynamic experiments on the sharing behaviour of energy prosumers within the crowd (neighbourhood).

Inspiring University & Change Box:
Last year, the Chair participated in establishing a working group “Inspiring University” at UniFR, which provides environment and conditions where students can explore and develop their own ideas. The ideas@iimt program actively supports and helps students advance their ideation, idea evaluation and transformation skills. We are very happy to say that one of the initiatives, Change Box, has gone live and for the first time offers UniFR students and staff a channel to communicate and share their ideas in a quick and user friendly way.
Fun Fact
Did you know that in 2018 the Chair was directly involved in about 20 different project activities, almost half of which were ongoing projects and a fifth was submitted to national and international funding agencies? The activities led to a number of co-operations such as the ones with University of Electronic Science and Technology, Chengdu, China; University of Greenwich, London, UK; and University of Vienna.

Facts & Figures

- 9 peer reviewed publications
- 6 other publications
- 5 presentations at peer reviewed conferences
- 6 master thesis
- 1 seminar paper
- 2 EMBA thesis
- 1 PhD thesis
- 4th guest editorial on Crowd Energy Applications by Journal of Electronic Science and Technology
Publications (peer reviewed)


Publications


Also published in:
- Journal of Communications 13(8), PP. 443-449, 2018.


Additional articles


Publications of Theses

**Master Theses**

Estorelli, A. (2018)

Holzer, A. (2018)

Iskhakova, Y. (2018)
‘How Living Labs have shaped Open Innovation: A literature timeline’, Term Paper, imt, University of Fribourg.

Kromer, A. (2018)

Neuenschwander, B. (2018)

Simonet, J. (2018)

Thalmann, L. (2018)

**Executive CAS Theses**

Dr. Ghaoud, T. (2018)
‘Smart Grid Technologies for the new challenges of the Distributon Network Operator’, iimt Executive CAS.

**Executive MBA Theses**

Dr. Ebner, A. (2018)
‘Asset Management eines ländlichen Verteilnetzbetreibers 2030’, iimt EMBA.

Leutwiler, B. (2018)

**PhD Thesis**

Memberships & Organisations

Memberships with Advisory Vote

• Member of the Advisory Board Cybersecurity SATW
• Member of Swiss Federal Communications Commission (ComCom)
• Member of Swiss Academy of Engineering Sciences (SATW)
• Member of the editorial committee of the Journal of Electronic Science and Technology and committee member of JEST special section on Energy Efficient Technologies
• Editor of iimt University Press
• Chair of iimt University Press Scientific Advisory Board
• Jury member, Energy Award Germany (under the auspices of Bundesministerium für Wirtschaft und Energie
• Scientific Board Member, SBA Research Vienna
• Board Member of Association for Students Innovation (ASI)
• Member of asut Fachkommission Bildung
• President of the Advisory Board of energate messenger Switzerland
• Member of the Advisory Board of Security–Finder Schweiz
• UniFr Project Manager of smart living lab@University of Fribourg

Further Memberships

• CCIF – Chamber of commerce and industry Fribourg
• Electrosuisse
• GI – Gesellschaft für Informatik
• IEEE – Institute of Electrical and Electronics Engineers
• IFIP-TC11 – International Federation of Information Processing (Security and Privacy Protection in Information Processing Systems)
• Innovation Club Fribourg
• ISSS – Information Security Society Switzerland
• IT Valley Fribourg
• Münchner Kreis
• PMI – Project Management Institute
• Schmalenbach-Gesellschaft für Betriebswirtschaft
• SCNG Special Interest Group of PMI Chapter Switzerland
• SGB – Schweizerische Gesellschaft für Betriebswirtschaft
• SI – Schweizerische Informatikgesellschaft
• SIRA – Swiss Informatics Research Association
• VHB – Verband der Hochschullehrer für Betriebswirtschaft
Programme Committees & Academic Reviews Prof. Dr. S. Teufel


DBKDA 2018, 10th International Conference on Advances in Databases, Knowledge, and Data Applications. Nice, France, 2018. Reviewer and member of the program committee.


JEST – Journal of Electronic Science and Technology, Guest Editor of 2018 Special Section on Energy Efficient Technologies – Crowd Energy Applications.

TrustBus’18 – 15th International Conference on Trust, Privacy and Security in Digital Business. Linz, Austria, 2018. Reviewer and member of the program committee.

Programme Committees & Academic Reviews Dr. A. Sentic

Reviewer for the Journal of Electronic Science and Technology (JEST)

Programme Committee Member, NEST Winter School: Methodologies in sustainability transitions research; Fraunhofer ISI, Karlsruhe

Organisation Committee Member, Architecture for Human Environment with Smart Technologies (Arc-HEST), Swiss-Korean Academic Exchange Program
ideas@iimt
ideas@iimt

The ideas@iimt programme evolved an outcome of ‘Innovation and Technology Management’ course at the University of Fribourg. The programme actively supports students who are interested in developing and implementing their own business ideas. The early-stage support provides students with much needed financial support as well as the opportunity to gain hand-on experiences in entrepreneurship. By following a lean start-up method ideas@iimt allows its students to apply their knowledge and learn quickly through trial-and-error approach.

Change Box

Change Box is a brain child of Laura Mustafi and other members of the Innovation Club. The project is focused on fostering the innovative spirit of the University of Fribourg.

The Change Box is a suggestion box, where students and employees can throw in their ideas. A campus-wide implementation of Change Box is planned for the 2019.

Partners and Members

We would like to take the opportunity and say thank you to everyone who supported ideas@iimt in 2018: the Foundation for Promotion of the Faculty of Economic and Social Sciences of the University of Fribourg, the Alumni and Friends UNIFR, and private donors.

The following is a brief overview of our ideas and their progress in 2018:
Roll-e

Roll-e is an electric shopping trolley with boxes that allow users to separate their groceries. Christina Schlegel joined ideas@iimt in March 2018 in order to generate extensive customer insights. After the collection of valuable data regarding customer’s needs and pains, ideas@iimt got in touch with Prof. Laurent Donato from the School of Engineering and Architecture of Fribourg. As a result, a group of twenty engineers put their heads together and worked on the technical realization of Christina's Roll-e.

JEF (Junior Entreprise Fribourg)

JEF attended two workshops coached by the iimt. In their first workshop JEF's board learned more about their own proposition and customers’ needs. Through a second workshop in April 2018, which was organized by the Innovation Club and ideas@iimt, JEF explored and learned more about valuable customer insights.

Permaculture Garden

The aim of this project is to set up a garden at the University’s campus, close to students, professors and researchers. Until now, ideas@iimt supported the permaculture garden group by shaping the idea, setting up the budget, networking and providing financial support for the soil analysis.
Smart Living Lab
The Smart Living Lab

The Smart Living Lab is an interdisciplinary, cross-institutional platform unifying cutting-edge research and real-life experimentation in multiple research areas: construction technologies, well-being and behaviours, interactions and design processes and energy systems. Bringing together over 80 researchers in 11 research teams from three institutions: the University of Fribourg (UNIFR), the EPFL and the School of Engineering and Architecture Fribourg, University of Applied Sciences Western Switzerland (HEIA-FR). Researchers from the iimt, led by Prof. Dr. Stephanie Teufel, form one of the eleven teams, focusing primarily on energy system through the concept of Crowd Energy as well as the performance and management of the living lab as an Open Innovation Space.

iimt Projects at the Smart Living Lab

Throughout 2018, the iimt was actively involved in a number of Smart Living Lab research projects, winning several projects through the Smart Living Lab small project fund. The three key projects presented, “Niche Analysis and Actor Network Mapping of the Smart Living Lab”, “Interactive Simulation of a Crowd Energy System” and the “Student Incubator Programme” highlight the diverse yet connected research foci of the iimt, and at the same time create a tangible impact for both the iimt and the Smart Living Lab.

Interactive Simulation

Interactive Simulation of a Crowd Energy System (February 2018 – February 2019). Within this project, user behaviour within Crowd Energy Systems is investigated further through the utilization of an interactive Crowd Energy model combining a physical diorama showing an imaginary energy neighbourhood with behavioural experiments developed using open-source software. The experiments are focusing on user investment behaviour when investing in a public good and user trading behaviour in an energy market, and can be deployed both as an interactive, gamified element of the model’s presentation and as a full-scale economics experiments in laboratory settings. Led by Dr. Christian Ritzel and Dr. Anton Sentic, supported by Joelle Simonet and Manuel Drazyk, the project was implemented by the iimt in collaboration with the TRANSFORM Institute (HEIA-FR) and ROSAS (HEIA-FR).
Niche Analysis & Actor Network Mapping

"Niche Analysis and Actor Network Mapping of the Smart Living Lab" (December 2017 – December 2018)
The aim of the project was to operationalize Transition Studies concepts within the context of the Smart Living Lab, conceptualising it as a niche in the understanding of Strategic Niche Management. This conceptualisation enabled the researchers to undertake a functional and structural analysis on the lab, focusing in particular on visions and expectations, institutions within the lab, communication and collaboration networks and the role of and strategy followed by the Smart Living Lab’s communications team. The project was led by Dr. Anton Sentic and supported by Yanina Iskhakova and Fabienne Jungo.

Student Incubator Programme

In line with its focus on supporting and developing student entrepreneurial and innovative activities, the iimt has, with the support of Baloise Group, developed a student incubator programme which will be implemented in and by the Smart Living Lab. Following in the steps of the successful ideas@iimt programme, the incubator will allow students with entrepreneurial ideas to develop them further supported by Smart Living Lab experts. In addition to their valuable expertise, the students will also be able to access a fund of up to CHF 5’000.- in order to cover their expenses and initial project costs. The project is led by Prof. Dr. Stefanie Teufel and Kirstin Stadelmann, supported by Laura Mustafi, and is expected to go “live” in the beginning of 2019.

Additional Highlights

Three projects were won by the iimt through the Smart Living Lab small projects fund for a total funding sum of CHF 44’826.-.
A Network of People
Management Board

Prof. Dr. Stephanie Teufel (Director)
Kirstin Stadelmann (Head of Marketing & PR)
Dominic Feichtner (Head of Business & Programme Development)

Administration & Marketing

Melanie Ackermann (Course Manager)
Fanny Guenat (Marketing & PR Manager)

National & International Experts

70 outstanding lecturers from leading Universities, business schools, industry, and government are active in the iimt Executive Programmes.

Research Team

Mohammad Aldabbas (Research Assistant)
Manuel Drazyk (Junior Research Assistant)
Yves Hertig (Research Assistant)
Yanina Iskhakova (Junior Research Assistant)
Bettina Irnhauser (Research Assistant until 02.2018)
Laura Mustafi (Junior Research Assistant)
Tim Niemer (Junior Research Assistant)
Mahsa Rahimi (Research Assistant until 12.2018)
Dr. Christian Ritzel (Senior Researcher until 09.2018)
Dr. Anton Sentic (Senior Researcher)
Joëlle Simonet (Junior Research Assistant until 12.2018)
Dr. Bernd Teufel (Research Consultant)
Finn de Thomas Wagner (Junior Research Assistant until 03.2018)
Councils, Boards & Commissions

Institute Council

Dr. Hans C. Werner, Swisscom Schweiz AG (President)
Hannes Burkhalter, INNOArchitects, Partner representative
Dr. Bernhard Kessler, Revendex (Vice-President)
Dominic Feichtner, Representative mid-level academic
Prof. Dr. Philippe Gugler, University of Fribourg
Raffael Hilber, BKW, Students representative
Prof. Dr. Dirk Morschett, University of Fribourg

Scientific Council

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