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top engineering league



20 YEARS

MSc Program Engineering Management



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From first ideas to the realisation.

**Em.o.Univ.Prof. Dipl.-Ing., Dr.techn. Dr.h.c.mult. Peter Kopacek
Academic Program Director, MSc Program Engineering
Management**

The initial idea for a postgraduate Engineering Management MSc program arose when I met my old friend Naim Kheir from Oakland University at a conference in Dearborn (MI) in 1992. At this time Oakland University was thinking of developing an executive MSc program in "Engineering Management" at the Engineering School. The main goal was to educate managers for SME's as well as for Departments of large companies from the producing industry.

In a two day discussion between Naim and myself a first draft of a structure and preliminary ideas of subjects were set out. Bernd Kopacek spent three weeks at Oakland University to attend some of the proposed lectures for the Engineering Management program and the author visited Oakland University several times. Finally a general cooperation agreement between Oakland University and TU Wien was signed on January 25, 1995 in the Rectors office of TU Wien. In the framework of this agreement a special memorandum of understanding was signed between the Engineering School represented by Naim Kheir and the Institute of Handling Devices and Robotics represented by Peter Kopacek concerning a common Engineering Management Program with following main points:

The two program Directors were responsible for the program– Naim Kheir (Oakland University) and Peter Kopacek (TU Wien). In the faculty half of the members had to be from Oakland University and half from Europe. The program was delivered in Austria. In addition a two week stay at Oakland University with lectures and company visits was included for all students. The participants received a MSc degree in Engineering Management and an Academic record from Oakland University as well as a certificate from TU Wien. On October 20, 1995 the first program was launched, organised by the Department of „Systems Engineering and Automation“, at the „Scientific Academy of Lower Austria“ – now „Danube University“ in Krems.

The program was very successful and the "human guinea pigs" and the lecturers were very satisfied. The graduation ceremony was celebrated at the Main Building of the TU Wien in the Ceremony Hall.

The following programs up until 2005 took place in different locations in Lower Austria and Vienna. Since 2007 this program has been running in the framework of the Continuing Education Center (CEC) of TU Wien.

During these past 20 years the topics were continuously adapted to incorporate the latest developments in technology and economics. Therefore it was necessary to adapt of the subjects and in recruiting new and changing faculty members.

In 2003 the same program started at the University for Business and Technology (UBT) in Pristina, Kosovo and ran very successfully until 2008.

Furthermore this program was adapted according to the demands of the Western Balkan Countries in the framework of two EC projects and is currently running successfully at UBT as "Mechatronics Management".

In our pursuit of a truly excellent executive program in the future we will continue to focus on "Quality vs Quantity" and we are looking forward to any support.



The "Fathers" of Engineering Management after signing the Cooperation Agreement at TU Wien on January 25th, 1995. Left to right: Heinz Bernd Matthias (Vice Rector, TUW), Naim A. Kheir (Chairman, OU), Peter Skalicky (Rector, TUW), Mike Polis (Dean, OU), Peter Kopacek (TUW).



What is Engineering Management?

Em.O.Univ.Prof. Dr.techn. Dipl.-Ing. Peter Skalicky
former Rector, TU Wien

After successful 20 years of this Engineering Management program it is well established. Engineering Management is a specialized form of management that is concerned with the application of engineering principles to business practice. At least that is what it should be and thanks to Peter Kopacek and his fabulous faculty it was the underlying principle of this program from the beginning.

A career in Engineering Management brings together the technological problem-solving savvy of engineering and the organizational, administrative and planning abilities of management in order to efficiently perform an engineering function.

This means that successful engineering managers require training and experience in business AND engineering. Why? Technically inept managers tend to lose support by their technical team and non-commercial managers tend to lack entrepreneurial spirit. Largely, engineers are driven by non-entrepreneurial thinking and thus require the necessary support from people with skills to coach, mentor and motivate technical professionals.

Engineers sometimes become engineering managers by default after a period of time. They are then required to learn how to manage once they are on the job. Although this is usually an ineffective way to develop managerial abilities it is still easier to acquire managerial skills on the job than to acquire engineering skills with only a business school background.

Engineering management has quite some tradition and history in the United States already from early 20th Century on. Outside the USA, in Germany the first department concentrating on Engineering Management was established 1927 in Berlin and interesting enough in Turkey. Istanbul Technical University has a Management Engineering Department established in 1982.

The main areas, which nowadays have become the focus of Engineering Management, are Operations research and Supply chain Management. While Operations research supports decision-making, Supply chain Management is the process of planning the flow of goods, services and related information that quite obviously is a major challenge for both engineers and managers.

The “information technologies” theme focuses on how technology is designed and managed to support effective decision-making and comprises software design, data mining and telecommunication as well as organizational and social issues associated with the use of information technologies. All this is very important - decision engineering uses engineering principles as basis of a decision and - since your responsibility will be fully engaged - it can become risky if you are not well trained and educated on a scientific basis.

Management of technology is built on the foundation of management topics in accounting, economics, organizational behavior and design. It is clear that management of technology requires a profound understanding of technology. It is painful hearing managers talking about new technologies with an obvious lack of scientific background. This is why the indispensable requirements must be engineering or a science degree and a business degree.

The successful engineering manager must have the skills necessary to coach, mentor and motivate technical professionals, skills which are often different from those that are required for individuals in other fields as you will probably painfully learn along your career.

It is important to stress this because one can observe a trend to establish a “Science of Management” without the necessary multidisciplinary skills – a “Wissenschaft” of its own, sometimes ignorant of what it should be applied to.



Interdisziplinäre Education – A necessity.

**Em.O.Univ.Prof. Dipl.-Ing. Dr.techn. Dr.h.c.
Heinz-Bernd Matthias
former Vice Rector, TU Wien**

Together with the Rector of TU Wien, Peter Skalicky, I was involved in the Engineering Management program from the earliest days including acting as Vice Rector also for International Relations.

At that time TU Wien had very few international postgraduate MSc programs and in my opinion such a program was definitely missing from their offering. As a result of the contacts of Peter Kopacek with the Oakland University I agreed to help bring an adapted Engineering Management program at TU Wien.

Following this developments it was clear that we needed to formulate a cooperation agreement. The Idea was to make first a common agreement between both Universities and under this umbrella a special agreement between the Department of Electrical Engineering of Oakland University and the "Institute of Handling Devices and Robotics -IHRT" in the Faculty of Mechanical Engineering of TU Wien.

After the successful launch of the program I met this group several times at Oakland University to evaluate the lectures and especially the company visits. With this experience, as well as the feedback of the students and the lecturers, the program was continuously improved and consolidated. Furthermore, I was also teaching "Energy Systems" especially "Hydroelectricity" Insight into the other Renewable Energy Resources.

The Contents of these topics included:

- World Energy:
 - At that time the outlook for world energy demand was higher than projected in previous years
 - In developing countries, the use of energy was growing rapidly
 - The world energy consumption increases

- Renewable Energy Resources
 - Hydroelectricity, Geothermal, Wind, Solar and Biomass was predicted to rise somewhat

This cooperation was extremely new and consequently the program was very successful. The students from both Universities were always very enthusiastic about this program.

I hope this Engineering Management Program also will be so successful in the following decades as it has been in the last 20 years. For the new students in this Engineering Program, Good Luck, I wish you all the best.



One Study is good but two are better.

Ao.Univ.Prof. Dipl.-Ing. Dr.techn. Kurt Matyas
Vice Rector for Academic Affairs, TU Wien

I know very well the postgraduate, executive MSc Program Engineering Management since more than 12 years in my position as a lecturer and as a Dean of Studies of the Faculty of Mechanical and Industrial Engineering at TU Wien.

This program is one of the most sustainable in the Continuing Education Center (CEC) at TU Wien. The curriculum offers graduates of technical, economic and related studies an excellent addendum to their academic pre-education.

The international faculty is a weighted compromise of lecturers from Industry and Academia for the highly qualified international participants. As a lecturer I appreciate the familiar atmosphere between the participants, the lecturers and the CEC staff.

Unique in this program are furthermore the scientific publications from graduates usually about their MSc theses as well as of the program. Some of the participants finished PhD works during or after the program at TU Wien.

Because of the flexible curriculum the program is continuously adapted according to the latest developments in Technology and Economy.

As the new Vice-Rector for Academic Affairs I will observe and support this unique executive, postgraduate MSc program in the future.

OU goes International.

Michael P. Polis, PhD
Former Dean of SECS, Oakland University



I joined Oakland University (OU) in August 1993 as Dean of the School of Engineering and Computer Science (SECS). Shortly thereafter, Naim Kheir, who chaired the Department of Electrical and Systems Engineering came to me with the idea of offering the MSc in Engineering Management as an executive program in collaboration with the TU Wien. I found this idea to be exciting since it allowed Oakland University to establish, for the first time, in collaboration with a world class European University, an engineering degree program in central Europe.

Naim and I embarked on a campaign to convince the Oakland University administration that this program was academically sound, made sense for Oakland University, and that it shouldn't require the potential students to pay the standard tuition charged to students from outside the state of Michigan. Part of the campaign included visits by Professor Kopacek to Oakland University and my visiting TU Wien to work out the financial and administrative details. We were successful, and the program began in 1995 with the first class of thirteen students. I remember fondly traveling to Vienna each year in November to attend the award ceremony where the degrees were conferred. This was an extremely successful program in that it attracted outstanding students and both Universities benefited from the initiation of what was then the first executive Engineering Management program offered on the European continent.



Celebrating Twenty Years of the “Engineering Management Masters Degree (EMP)”

Naim A Kheir, PhD
Professor Emeritus, Oakland University

I joined Oakland University (OU) in Rochester, Michigan in 1987 as Chair of the Department of Electrical and Systems Engineering. One main reason for this move to “cold Michigan” was its unique location being surrounded by the three main US auto industries as well as a large number of suppliers.

The Systems Engineering curriculum was strong but the scope of offerings by the School of Business was as strong. This combination excited my thinking to search for an opportunity for a new MSc degree program in Engineering Management. The curriculum was developed with some flexibility so the participant may select areas of concentration that might be of greater interest/value to his/her job environment. The program as expected attracted decent enrollments since its beginning.

On the other end of the story was my personal friendship with Prof. Peter Kopacek from TU Wien. Peter and myself used to meet frequently in International technical conferences. A few times we served as members on international technical committees.

In discussing with Peter the detailed outline of the offerings at OU, it became clear to him that this was the type of program that might fit the needs of managerial type applicants in Central Europe. Negotiations started soon after to coordinate our efforts to get the approval of offering the program in Vienna at an accelerated rate. This meant the attendees will agree, with their employers, to take off from work and family, from Friday morning until the end of the following Tuesday. The class met for eight hours a day, at lunch together and had an examination at the end of Tuesday. This was repeated for each course over the span of a year. A very demanding endeavor indeed.

I must acknowledge the support we had from the then Dean Mike Polis, of the OU School of Engineering and Computer Science (later on Dean Peter Frick replaced Dean Polis). Cooperation with the Dean of Business John C Gardner was as encouraging.

An agreement was signed between the two Universities by Rector Skalicky and Dean Polis in my presence at the headquarters of TU Wien. The degree for the first ten years was awarded, in Vienna, by Oakland University. The annual graduation ceremony was held in November. Our thanks go to the many graduates who themselves attracted colleagues and friends to consider enrolling in the program. All in all, it is great success story.



Engineering & Management: An Advantageous Combination

Prof. Dr. Bob Martens
Dean of Academic Affairs for Continuing Education

The full implementation of the Austrian University Law (UG 2002) in 2004 marked an era of significant changes in the courses of study offered in Continuing Education. When this came into effect, the TU Wien reviewed its business areas and their market positioning. This holds also true for Continuing Education, which up until then had led a satellite-like existence dependent on the different institutes at TU Wien and largely influenced by their initiatives. In spring 2005, the Continuing Education Center (CEC) was set up with the intention to act as an umbrella organization for continuing education programs within our University.

It's a pleasure to look back on a postgraduate program, which has been conducted successfully for 20 years. In order to meet the industry's need for comprehensively trained executives in Europe, the MSc Engineering Management was developed in close cooperation with Oakland University in Rochester/Michigan – which has been a valued partner during all these years. The program is customized for Europe's small and medium-sized enterprises as well as for departments of large companies facing a growing and increasingly competitive market. It is designed to prepare graduates from technical and economic Universities for leadership roles in technological, corporate and national affairs.

The part-time master's program is characterized by its internationality. Lecturers are affiliated to Universities and industrial enterprises in the USA, Canada and numerous European Countries and seek to communicate technical, economic and juridical skills in an interdisciplinary way. By cross-linking theory, practice and case studies in a targeted manner, this knowledge can then be implemented directly in the companies and businesses of the participants.

Since 1995, this course program has been able to take in participants annually, and over time a lively alumni community has grown up. May this innovative type of continuing education continue to flourish and develop!

The EM Alumni Association



Dipl.-Ing. Dr.techn. Bernd Kopacek, MSc(OU)

In my former job in the "Bureau for International Research- and Technology Cooperation (BIT)" my main responsibility was to support Austrian SME's to develop new products and services in cooperative projects funded by the European Union. During that time I recognized that managers with both technological and business knowledge have been missing in European companies as well as in departments of bigger companies.

As a graduate in Mechanical Engineering from TU Wien (1993) I was personally looking for a postgraduate MSc Program in "Engineering Management" to complement my engineering studies. Together with my father we identified the Engineering Management program in Oakland University as one of the most suitable for adaption it to European needs that could be offered it at TU Wien.

During the discussions leading to the current cooperation agreement I spent 3 weeks at Oakland University to attend selected lectures in MSc programs given by different lecturers that are now teaching at the Vienna Engineering Management program. I recognized that the lectures at Oakland University have been mostly based on textbooks and furthermore that Alumni Associations play a significant role in American University life.

As a consequence I attended the 1st program myself and discussed with my colleagues the foundation of an Engineering Management Alumni Association in Austria. In 1996 the foundation has been successfully completed at the end of the first program.

We started the information journal "EM News" and organized regular meetings to exchange experiences and network.

Finally I would like to congratulate the program to its 20th Anniversary and wish all the best for the future!

Engineering Management Alumni 1st Class 1996 Krems/Rochester

Reinhard Ematinger, MSc(OU) • **Leopold Gerstmayr**, MSc(OU) •
Mag.rer.nat.Dr.rer.nat. **Thomas Hudetz**, MSc(OU) •
Univ.Lektor Dipl.-Ing.Dr. **Bernd Kopacek**, MSc(OU) •
Mag.rer.soc.oec. **Astrid Lenz**, MSc(OU) • Dipl.-Ing. **Tomislav Meniga**, MSc(OU) •
Michael Schoissnik, MSc(OU) • **Johann Schweiger**, MSc(OU) •
Jasminka Smejkal, MSc(OU) • Dipl.-Ing.Dr. **Martin Zauner**, MSc(OU)



The participants together with Naim Kheir at the entrance of the "Scientific Academy of Lower Austria" – the historic building of the former tobacco factory Krems-Stein.

Engineering Management Alumni 2nd Class 1997 Laxenburg/Rochester

Dipl.-Ing. **Reinhold Anton Bacher**, MSc(OU) • **Andreas Bretschneider**, MSc(OU) •
Alfred Dolecek, MSc(OU) • **Mohamed Elfighi**, MSc(OU) • **Karl Engelhofer**, MSc(OU) •
Wolfgang Gratzler, MSc(OU) • Dipl.-Ing.Dr.techn. **Thomas Hrabal**, MSc(OU) •
Erwin Kruschitz, MSc(OU) • **Gabriel Pod**, MSc(OU) •
Mag. **Alexandra Rommens**, MSc(OU) • **Herwig Schinagl**, MSc(OU) •
Wolfgang Slawinski, MSc(OU)



At the roof of the Engineering Building of Oakland University

Engineering Management Alumni 3rd Class 1998 St. Pölten/Rochester

Siegbert Altendorfer, MSc(OU) • Dipl.-Ing. **Michaela Angst**, MSc(OU) •
Dipl.-Ing.Dr.techn. **Man-Wook Han**, MSc(OU) • Dipl.-Ing. **Heinz Holzinger**, MSc(OU) •
Isfried Janetschek, MSc(OU) • **Christian Krebs**, MSc(OU) • **Bernhard Lassy**, MSc(OU) •
Dipl.-Ing. **Thomas Maglock**, MSc(OU) • Dipl.-Ing. **Marius Ervin Marek**, MSc(OU) •
Arne Ragossnig, MSc(OU) • Dipl.-Ing. **Alexander Scheidl**, MSc(OU) •
Helmut Thenikl, MSc(OU)



Excursion to the MAGNA Headquarter in Aurora, Ontario. Reception by Frank Stronach

Engineering Management Alumni 4th Class 1999 St. Pölten/Rochester

Dipl.-Ing. **Armin Auinger**, MSc(OU) • Dipl.-Ing. **Roger Csaky-Pallavicini**, MSc(OU) •
Monica Dragoicea, MSc(OU) • Dipl.-Ing. **Constanta-Melania Gagea**, MSc(OU) •
Dipl.-Ing. **Thomas Jiresch**, MSc(OU) • Dipl.-Ing. **Sabine Köllerer**, MSc(OU) •
Christian Krebs, MSc(OU) • Dr.techn. **Thorsten Matthias**, MSc(OU) •
Günter Nemetz, MSc(OU) • Dipl.-Ing. **Gerald Pascher**, MSc(OU) •
Michael Pühringer, MSc(OU) • **Peter Karol Sergej Puschkarski**, MSc(OU) •
Mag.rer.nat. **Oliver Sauer**, MSc(OU) • Dipl.-Ing. **Paul Schaller**, MSc(OU) •
Gerald Schneeberger, MSc(OU) • Ing.Techn.Rat. **Johann Sedlar**, MSc(OU) •
Joe William Taylor, MSc(OU) • Mag.rer.nat. **Robert Wallner**, MSc(OU)



Reception in the City Hall of St.Pölten by the Mayor

Engineering Management Alumni 5th Class 2000 Vienna/Rochester

Dipl.-Ing. **Slobodan Danilovic**, MSc(OU) • Dipl.-Ing. **Christian Hansl**, MSc(OU) •
Dipl.-Ing. **Niels Ledinek**, MSc(OU) • **Martin Lehrbaum**, MSc(OU) •
Dipl.-Ing. **Georg Melzer**, MSc(OU) • Dipl.-Ing.(FH) **Oliver Nölle**, MSc(OU) •
Radu Raican, MSc(OU) • Arch.KTHO. **Staffan Schartner**, MSc(OU) •
Martin Simmler, MSc(OU) • Mag.iur. **Markus Wimmer**, MSc(OU)



Break at Oakland University

Engineering Management Alumni 6th Class 2001 Vienna/Rochester

Haralabos Arabatzidis, BSc, MSc(OU) • Cand.Ing. **Karin Gröger**, MSc(OU) •
Michael Kirchsteiger, MSc(OU) • Dipl.-Ing.Dr.techn. **Gregor Novak**, MSc(OU) •
Walter Posch, MSc(OU) • Dipl.-Ing. **Erich Rieder**, MSc(OU) •
Martin Schober, MSc(OU) • Dipl.-Ing. **Walter Weber**, MSc(OU)



Graduation Ceremony at TU Wien.

Engineering Management Alumni 7th Class 2002 Vienna/Rochester

Mag.rer.nat. **Christian Anselm**, MSc(OU) • **Nikola Bogdanovic**, BSc., MSc(OU) •
Dipl.-Ing. **Johann Eitzinger**, MSc(OU) • **Jan Rudolf Illetschko**, MSc(OU) •
Dipl.-Ing. **Gerald Kalchauer**, MSc(OU) • Dipl.-Ing. **Reinhard Knoth**, MSc(OU) •
Dipl.-Ing.Mag.rer.nat.Dr.techn. **Michaela Kröppl**, MSc(OU) •
Dr.jur. **Christoph Nemeth**, MSc(OU) • Mag.phil. **Martin Wall**, MSc(OU)



The participants at TU Wien

Engineering Management Alumni 8th Class 2003 Vienna/Rochester

Dipl.-Ing. **Michael Brandstötter**, MSc(OU) • Dipl.-Ing. **Adis Hadzijufovic**, MSc(OU) •
Dipl.-Ing. **Alfred Hajdu**, MSc(OU) • Dipl.-Ing. **Rudolf Holzinger**, MSc(OU) •
Dipl.-Ing. **Andreas Hummer**, MSc(OU) • Dipl.-Ing.Dipl.-Kfm.Dr. **Thomas Neff**, MSc(OU) •
Dipl.-Ing.Dr.techn. **Andreas Paar**, MSc(OU) • **Claus Rustami**, MSc(OU) •
Ing. **Wolfgang Sailer**, MSc(OU) • Dipl.-Ing.(FH) **Michael Schranz**, MSc(OU) •
Dipl.-Ing.(FH) **Michael Titze**, MSc(OU)



Our new location: ReUse Company, Auhof

Engineering Management Alumni 9th Class 2004 Vienna/Rochester

Martinus Crijns, MSc(OU) • Dipl.-Ing. **Harald Dillersberger**, MSc(OU) •
MMag. **Roman Gantner**, MSc(OU) • Dipl.-Ing. **Georg Reithofer**, MSc(OU) •
Dipl.-Ing. (FH) **Christoph Sailer**, MSc(OU) • Dipl.-Ing. **Armin Selhofer**, MSc(OU) •
Dipl.-Ing. **Ulrich Joachim Sommer**, MSc(OU)



Graduation Ceremony and 10 years celebration with the American Ambassador in Austria and H. Nowotny the representative of the Austrian government

Engineering Management Alumni 10th Class 2005 Vienna/Rochester

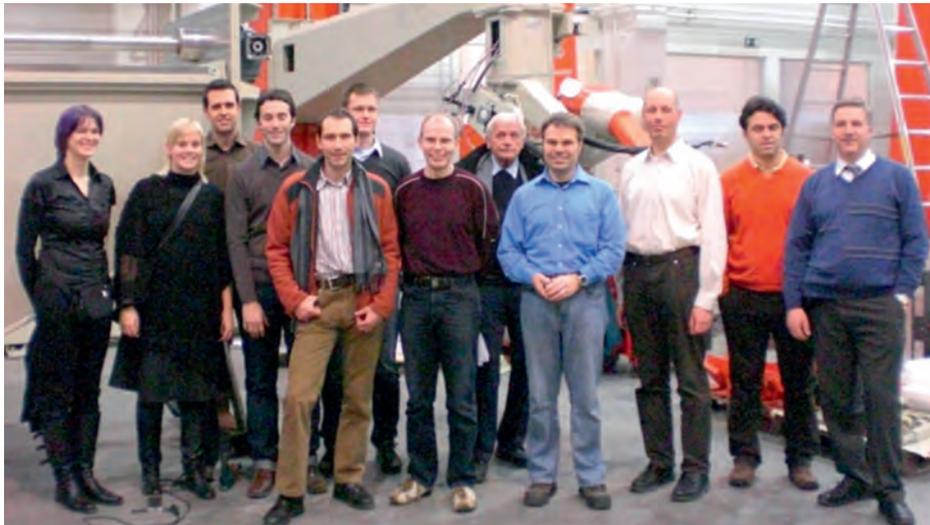
Dipl.-Ing. **Benno Farkas**, MSc(OU) • Dipl.-Ing. **Ernst Forstner**, MSc(OU) •
Reinhard Hawel, MSc(OU) • Dipl.-Ing. **Monika Hlawiczka-Lis**, MSc(OU) •
Lukas Petritsch, MSc(OU) • Dipl.-Ing.Dr.techn. **Herbert Preining**, MSc(OU)



Lecture break at OU

Engineering Management Alumni 11th Class 2007–2008 Vienna

Dipl.-Ing. **Stefanie Feichter**, MSc • Dipl.-Ing.Dr. **Herbert Jäger**, MSc •
Michael Janosch, MSc • Dipl.-Ing. **Michael Jungnitsch**, MSc •
Dipl.Ing.(FH) **Marcel Koch**, MSc • Ing. **Enrique Lopiz Canto**, MSc •
Bjarney Sonja Ólafsdóttir, B.Sc., MSc • **Augusto Tomás**, MSc •
Dipl.-Ing. **Christian Voit**, MSc



Excursion to the plant in Győr (Hungary) of the Austrian Robotics Company IGM organized by Mr. Wihsbeck.

Engineering Management Alumni Upgrade 2008 – Vienna

Dipl.-Wirtsch.-Ing.(FH) **Andreas Bretschneider**, MMSc(OU) •
Dr. **Danilovic Slobodan**, Sc., MMSc(OU) • **Alfred Dolecek**, MMSc(OU) •
Jan Rudolf Illetschko, MMSc(OU) • **Michael Kirchsteiger**, MMSc(OU) •
Erwin Kruschitz, MMSc(OU) • Dipl.-Ing. Dkfm. **Thomas Neff**, MMSc(OU) •
Dr. **Walter Posch**, MMSc(OU) • **Martin Schober**, MMSc(OU) •
Techn.Rat, Eur. Ing.,Ing. **Johann Sedlar**, MMSc(OU)



The Graduation Ceremony at TU Wien

Engineering Management Alumni 12th Class 2009–2010 Vienna

Amirhassan Aliakbar, MSc • Dipl.-Ing.(FH) **Robert Fidler**, MSc • **Martin Gmeiner**, MSc •
Franz Herbert Josef Kaltseis, MSc • **Christophe Krauth**, MSc •
Rit Sukpituksakul, B.Eng., MSc • **Mohamed Temraz**, BSc, MSc •
Mag.rer.nat.Mag.rer.nat. **Werner Überall**, MSc • **Justin Willis**, B.Eng., MSc



Excursion at Austrian Institute of Technology (AIT)

Engineering Management Alumni 13th Class 2010–2011 Vienna

Dipl.-Ing. **Pavol Bartko**, MSc • **Padmanabhan Dasarathy**, BSc., MSc •
Dr.techn. **Siavash Dezfouli**, MSc • **Matthias Frick**, BSc, MSc •
Leonardo García Medina, MSc • **Thomas Linder**, MSc • **Juha Mantere**, MSc •
Dipl.-Ing.Dr.techn. **Christof Pitter**, MSc • Mag.(FH) **Christian Wenninger**, MSc



Excursion to the "Austrian Institute of Technology – AIT"

Engineering Management Alumni 14th Class 2013–2014 Vienna

Chaminda Fernando, BSc, MSc • Dipl.-Ing.(FH)Dr.techn. **Michael Fischer**, MSc •
Manuel Gusterer, MSc • **Bahadur Ibrahimov**, B.Sc., MSc • Mag. **Wolfgang Mair**, MSc •
Bekim Marmullaku, BSc, EMBA, MSc • **Andreas Rezanka** •
Xiaoming Wang, MEng., MSc



The usual "Family Picture" from the Graduation Ceremony.

Engineering Management Students 15th Class 2014–2016 Vienna

Amira Almugrabi BA • **Mimoza Buxhovi**, MSc • **Aurelie Dell**, MSc. •
Fabian Hauser, BSc • **Dipin Karal**, BSc • **Perparim Nazifi** • **Anton Romanenko**, BSc •
Dipl.-Ing.(FH) **Simon Wartanian** • **Georg Weitl**, BSc.



Excursion to the Robotics Lab. at IHRT, TU Wien with Julia Linert as a tutor.

Alumni Voices

Stefanie Feichter, Austria

I'm still working in the same company but plan to change job next year. The biggest benefit is that I got a good understanding from the whole; not only from the management tasks but also from the engineering tasks and how they are connected. This is especially important in a small company like the one I'm working in. Before the program I realized that there is potential to improve the company but I didn't know what and how. Now, after the program, I know what has to be changed and how. Beside the professional skills I learned I also recognized a personal development that I got more confidence.

Michael Janosch, Austria

I started the Engineering Management program out of the position as an Engineer in the order processing and design department. One of my targets, within a few years, was to get into the team leading position. A few months after finishing the EM program, I got the chance to become the Order Execution & Design Director for the Global Product Group. The additional skills, especially due to the multi-faceted lecturers and colleagues, are a big advantage in my daily business.

Herbert Jäger, Austria

I am working as R&D engineering specialist in a high-tech semiconductor company. In order to effectively apply my knowledge in the field of millimeter-wave electronics, communication, organization and 'people skills' are required. The managerial and business relevant skills, added by the EM course, greatly improved my position in relation to my superiors. Now that it is understood that competence in those fields is available on both sides, management and business topics can be discussed more to the point and communicated more clearly than before.

Marcel Koch, Switzerland

After finishing my Engineering Management MSc Program I'm working now almost a year in my previous job as a Structural Analysis Engineer in the airliner business. In October 2009 I'll start a new job as Product Development Engineer/Technical Project Leader. I succeed in making my next career step in between a very difficult economic situation. For me it is a very positive feedback on the investment in myself and the participation in the Engineering Management Program.

Augusto Tomas, Portugal

Before starting the EM program I was a Senior Engineer, with ambitions to escalate the management ladder. In the middle of the EM program I moved from Team Leader to Technical Manager. After the finishing of the EM program, I applied my Thesis: "Managing Team Excellence by Six Sigma through DMAIC model", in my workplace. The application of my thesis, consisted in developing a junior team to an expert level with strong cross-ties to the R&D. The customer Top Management gave a special mention to the Top Management of my company that they never had so strong local support during the many critical points that we suffer.

Students' Voices

Fabian Hauser, BSc, Austria
Siemens AG

After the first introduction of everyone I was very surprised of the diversity of nationalities and job fields the students were coming from. So the first contact was only a matter of time, because everyone was interested in each other. Also the lecture was diversified, interactive and every time open for discussions. Actually it was my first lecture that had my full attention for the whole day.

Dipl.-Ing.(FH) Simon Wartanian, Austria
VBV (BAV-SWE)

I expected an international program, with international lecturers and participants. I expected tips and tricks how to handle practical problems in the management of a technical department. I also expected to build up a kind of knowledge-database by the provided content which I can use in the future. I also wanted to be a part of a small group in which individual questions and needs can still be handled in contrast to a mass-study. I also expected the other participants to have already working-background and similar questions as mine and the same interest in interacting and building up a network.

Dipl.-Ing. Pavol Bartko, Slovakia
TATE AMYLUM SLOVAKIA

When I was thinking over the advertisement of postgraduate study I was afraid of many things. Because I was not attending the course from beginning, one of my concerns was, how the group will integrate me. I was surprised by the warm welcome at the first moment and I recognised this is a group of people with similar interests, focused on a common goal to generate strength. Group strength has been always a force that has boosted humanity in many different ways. I expect to accomplish great achievements through the group effort. However we need to realize that what brings the strength in the group is not the theory behind the group, it is the persons themselves.

Padmanabhan Dasarathy, BSc, India
MODUL University, Vienna

I find the study program very intensive and is very well structured to deliver the right balance of engineering and management topics within the ime frame of a year. This was one of my main drivers to enroll this program and I am glad I did. The program is very practical and the focus is on industry application along with theory. Being an experienced IT professional I can right away see how some of the project management, production management and quality management can be applied in our projects. The program also covers a number of Business management topics such as marketing, finance, human, resources, operations, international law which are becoming quintessential knowledge areas for good engineering managers.

Siavash Dezfouli, Msc, Iran
TU Wien

This master program is designed and administered with professional and high qualified professors, courses contents, presentations slides, text books which are gathered to capitalize on the collective expertise of a highly qulified group of engineers so as to provide practical solutions and answers and techniques to the diverse challenges associated with the creation and operation of systems. Meanwhile Vienna retains the highest ranking for quality of life among the cities across the world from 2009, therefore it is recommended to come and visit this gorgeous and pleasant city.

Matthias Frick, BSc, Austria
HILTI Austria

The course materials are very comprehensive and well prepared for each topic. We get the documents in a printed version at the beginning of the module and the presentations in digital form. In addition to the technical information we are discussing case studies to each topic. Especially the case studies are very important for us to understand what are the problems ans possibilities in the daily business. Summary: All the course materials are very good and up to date.

Ing. Leonardo Garcia Medina, Spain
AIPC-Pandora

One of this program's strongest points is the topics are flexible enough to adapt themselves to the students' needs and expectations. Even though this master program's content is very dense, it is not stressful. At the end of every track you are hunger for more because that knowledge is really useful in you day-by-day work.

Thomas Linder, Austria
Bluetechnix Mechatronische Systeme GmbH

During the course I experienced an extensive broadening of knowledge with deep insights into specific topics. Looking into the future, I expect to use this advantage to make the correct management decisions and introduce methods for reaching these. Currently, the most important goal will be to bring success to the enterprise – either being an employee myself or as head of a newly founded, innovation company. With the insights gained, I will be able to achieve this.

Juha Mantere, Finland
EULEX Kosovo

The multinational composition of the class gives an added value for the course, it was one of the reasons I wanted to join for the program. It allows to bond with people from different professional and cultural backgrounds., through it one can expand his/her knowledge of the 'small things' that often matter in daily life. It is essential in today's international world we are living and working, the approach for the issues may vary a lot depending from the region one is operating. Therefore it is important to understand what your counterpart is meaning. "Common sense is hard to define, because all we define it differently". In addition, it is worth of mentioning the great friends & colleagues you make and the positive atmosphere of the whole program.

Dipl.-Ing. (FH), Dr.techn. Christof Pitter, Austria
Bluetechnix Mechatronische Systeme GmbH

At this Engineering Management course we communicate in English when lectures are being held because the teaching staff is from the US and Europe. The diversified faculty prepares their courses interesting and motivates us to critical thinking and discussions. They do not only teach theoretical knowledge, even though most of the professors are lecturing at a University. I'm benefiting most from their professional expertise and their practical implementation experience.

Mag. (FH) Christian Wenninger, Austria
Red Bull

Imaging a classroom with around 10–15 international students from all over the world coming every few weeks together to listen and work together with international engineering manager. The program is unique in the setup and execution of teaching technical and management university expertise and offers you a professional environment to fill your brain with state-of-art engineering topics.

Sucess Stories



Dr. Thomas Hrabal, MSc(OU)
Class 2001

I studied Architecture at TU Wien and attended the Engineering Management Program in 2000/2001. Until 2001 I worked as a project manager internationally. After the graduation in Engineering Management I founded 2001 Herzog-Hrabal, a Vienna-based office for International Architecture and Project Management. I was owner and manager until 2009. Since 2005 I was program director and lecturer for project management at the international architecture-program at the University for Business and Technology in Prishtina/Kosovo. 2007 I published a book "Systemisches Management von Bauprojekten" by NWV-Verlag/Vienna. 2009 I founded HRABAL ARCHITEKTUR working with an ambitious young team of architects and civil engineers. Currently I am planning to establish a new PM-consulting-company and to develop a new educational project on the interface of architecture and spatial planning.



Michael Kirchsteiger, MSc
Class 2001

After a reasonable successful development in the IT Industry, holding positions in Austrian and international companies like Siemens, Sparkasse-Informatik, Informix, IBM working as Software developer and IT project manager I decided to join the Engineering Management Program offered by TU Wien, headed by Prof. Kopacek in 2001. Looking back now, with some distance time, I have the state, that this was probably the best education decision I could have taken to leverage my existing technical education and boost it forward into management and organizational disciplines. Not only the international background of both professors and participants, but also the interdisciplinary approach of this program made me ready to take on and handle new professional challenges successfully even in difficult times. The skills and experiences of the EM-Program provided me the confidence to run my own business and also to reach out for top-level management positions in international companies successfully. Definitely I would simply not have gotten some of my professional positions without that program and the three earned degree and as of today I am on the edge for entering a board level position, and I dare to say that almost on a bases I can make valuable use of lessons learned in this program.

DI Peter PuschkarSKI, MSc(OU)
Class 1999



I studied Mechanical Engineering – Economics at TU Wien and finished successfully my Diploma Degree in 1998. After that I attended the MSc. Program in 1999. Right after my study I worked as an Assistant of the CEO in a company of Automotive Supplier Industry. In 2001 I was appointed as Key Account Manager and in 2004 I worked as Senior Project Manager in China and I became Managing Director of the China Plant that I had planned, founded and realized before. Between 2008 and 2009 I worked as a CEO in another Automotive Company. Since 2010 I am CEO in a well-known Steel Company in Germany and I am responsible for 225 Mio € of sales and 800 employees. The EM program has been a great experience and I can recommend it to anybody who is curious to explore the vast cultural differences around the globe. The US remain a powerful economy and it is very valuable to understand their way of thinking. Go for it!

Career Spotlights ...



Dipl.-Ing. Michael Jungnitsch
TÜV Rheinland – Chief Regional Officer of Asia-Pacific and President & CEO of TÜV Rheinland Japan, Alumnus of the MSc Engineering Management class 2007–2008.

Currently I'm working for TÜV Rheinland as Chief Regional Officer of Asia-Pacific and President & CEO of TÜV Rheinland Japan. In this role, I oversee the performance of our business in Japan and in nine other countries in South-East-Asia and Australia. Before this, I headed the Product Safety Division of TÜV Rheinland in Germany. Looking back as a young engineer decades ago, what led me to this job is my willingness to live and work abroad. I have worked in Sweden, Japan and South Korea early in my career. The experience I have gained in unpredictable and often challenging circumstances have given me a wider mind-set and an understanding of how business works in other countries. Also, as a lifelong learner, I appreciate the importance of keeping abreast with the latest research and practices. This is why I enrolled at the TU Wien in Engineering Management in 2007.

When I made the decision to continue with formal education, I felt that it would be more beneficial for me to have a comprehensive and overall training in the latest engineering and finance/economics subjects instead of participating in single seminar programs.

The program of the CEC at the VUT fit very well in my busy schedule with onsite study blocks of four and a half days once a month over a period of one and a half years. The possibility to earn a formal degree from a well-respected university was also an important factor for me in making the decision to participate in this program.

The Engineering Management program is perfectly designed to accommodate a busy manager's schedule with comprehensive onsite study units in an academic face-to-face environment. It offers a broad range of topics, all very relevant in the business world, taught by high caliber academic and business practitioners. The international and mixed composition of the students with various backgrounds and experiences in our cohort was very valuable for a fruitful exchange of ideas.

I appreciated the broad topics in the fields of engineering applications, finance and economics as well as law because as a manager in the world today you have to handle all of these at the same time in business.

The challenge to "squeeze" such an intensive program in my packed schedule over a period of one and a half years required good time management and a strong commitment from me and everyone around me including my family and my colleagues. Since this was successfully achieved, I gained positive recognition from both my supervisors and my staff. In the end, finishing the program was one of the criteria for my promotion to take charge of a large region (Asia-Pacific) in an international corporation.

It was very helpful to engage again in intensive learning of a wide variety of business relevant topics. My studies helped me understand the issues faster and react in an informed manner.

Personally, I have been able to network and develop relationships with fellows in my cohort. Since we all have different experiences coming from various industries and positions, it was very helpful to exchange views and gain a wider perspective. To this day, I am still in touch with some of them.

To succeed in such a comprehensive program one has to have a strong and intrinsic commitment because it can be quite intensive. That said, the reward will be well worth the effort.

"Say what you do, do what you say, and learn from your experience." In other words, as a leader, it is important to be transparent and explain the direction I am taking. Having this vision, the next step would be to navigate towards a chosen destination. Whatever challenges or successes come my way, I will take these into account and learn from them.

**Staffan Schartner, MSc
(omniplan, Stockholm)
Alumnus Class 1999–2000**

Since 2005 I am one of three founding partners in “omniplan AB”. We are designing buildings and managing project development as well as construction processes. As by many consultants, the size of the company varies. We are usually between 6 and 12 employees, located in the center of Stockholm, Sweden. Right now I am also back in Vienna, managing the new Swedish Embassy on behalf of the Swedish Property Board.

The Engineering Management-program is very concise. A lot of excellent literature has to be handled in a relatively short time, which can be tough when you have to take care of your family and your job at the same time. The time spent with lectures and literature is rewarding, opening up a lot of interesting doors!

To me it is always hard to tell when and in what way I benefit from a specific part of my education. Often I have the feeling that knowing what is the substance in a specific field of knowledge is more important than actually being able to use that substance. Getting an impression of the theories behind mathematical decision-making, statistics, organisational behaviour and many other subjects is very important to me, working with synthesising the expertise of all the numerous specialists participating in my projects.

Coming from a non-mathematical education and profession, I must admit to some difficulties in keeping up with the applied math's in some parts of the education. To be able to benefit the most from the program, I think you should be solidly integrated in the large-scale industrial production. If you are not, I am sure you will still get an excellent understanding of the industrialised society attending this program.

Whatever background you have, participating in the Engineering Management Program can be one way of getting the tools you need to better fulfill the obligation we are all sharing. We have to leave this planet to the coming generations as a better place for all men and other species to live. This is a huge, global challenge requiring skill as well as your personal responsibility and courage

**Baddy Sonja Breidert, MSc
(Drupal Webagentur 1xINTERNET)
Alumna MSc Engineering Management Class 2007–2008**



I'm a co-founder and owner of the Drupal Webagentur 1xINTERNET (www.1xinternet.de) in Frankfurt Germany. I founded the company together with my partner one year after I graduated from the MSc Program Engineering Management. The program encouraged me to take the next step in my career and found my own company. The courses gave a very good insight into all aspects of running a successful business.

I think back to the program with good memories and I keep good contact with the other colleagues. We are divided around the world, but we try every second year to meet up and catch up on our private and professional live.

I run a IT-company that mainly develops web solutions. It is very important to being able to understand the client and to analyze what they need. Good organized thinking is necessary to make successful projects.

Currently my company has 7 employees in Germany and Iceland. The plan for the next 3-5 years is to run a successful company with 20+ employees and successful projects and happy customers.

To have a good work-life balance and spent good times with my husband and two small children.

Remark from the Editors:

For upgraded info of these graduates pls. contact the graduates or look in some Social Networks.

Selected Evening Lectures Computers and Information Technologies



Participants with Prof. Dr. Heinz Zemanek in the “Zemanek lecture room” at TU Wien.

Zemanek started the evening lecture by describing his early life in Vienna. He talked about his engineering education and work in radar technology during World War II.

About his education, he said: “I was not bad at school. I had excellent tests and grades. So, I could have gone in many directions for my profession. I practically fulfilled an idea of my father. He had seen, as a business man in the Industry, that it was the engineer who understood the business. So he wanted me to become an engineer and I agreed.” During the evening lecture he also talked about his connection to IBM: “I had connections to IBM. I came to realize that the MAILUFTERL team could not be kept together on university grounds, simply because the University would not offer enough positions for all my assistants.”

“I must really praise IBM. They have done a lot for me and have never, never tried to influence in a narrow company sense what I was doing. I had to respect IBM. That’s quite clear.”

Finally he explained how computer computes the digits, and told us about the history of that.

Evening Lecture Excursion and evening lecture at Capital Bank Vienna



The participants with DI Sibylle Dolecek-Anselment in the historical Palais Esterhazy – Vienna.

On January 14th, 2014 the Engineering Management Class got the opportunity to visit the Vienna Capital Bank to participate in an evening lecture on private equity and venture capital funding.

DI Sibylle Dolecek-Anselment, Director for Private Banking, explained how companies in different life cycle stages have different funding requirements. Venture Capital, to say risk capital typically coined in early phases in form of money invested in an innovative enterprise in which both the potential for profit as well as risk of loss are considerable, is a crucial part of entrepreneurial success.

The private equity and venture capital market characteristics have been presented with a specific focus on Europe.

Capital Bank is a catalyst for getting venture capital demand and supply linked to each other especially in Austria. Beside the insights in private banking, the venue of the lecture, Palais Esterhazy, has been very impressive and was accompanied by the warm hospitality that was given to the class.

Evening Lecture

“Cuba, its reality and challenges”



During the lecture at TU Wien.

Presented by: His Excellency **Juan Carlos Marsán Aguilera, Ambassador of Cuba in Austria, Slovenia and Croatia**. Permanent representative of Cuba to the international organizations in Vienna.

In the **20 years** history of the MSc program “Engineering Management” it was the first time that we had an evening lecture given by a high ranking diplomat. He gave us a very interesting insight on the history, the actual reality, and the challenges of his country, Cuba.

The Republic of Cuba, is situated on an island in the middle of the Caribbean, has over 11 million inhabitants and a long and very interesting history. For us the highlights of the presentation. Today Cuba is well integrated in the international community, it has diplomatic relations with 184 countries and 130 foreign diplomatic missions are accredited in Havana.

Currently Cuba is developing the strategic sectors, i.e. tourism, biotechnology, mining, oil, and traditional products. A new law to increase foreign investments has been established and new special economic zones are under development.

Cuba had now strengthened the participatory democracy. The last general elections, in February 2013, with more than 90% of the popular participation for the parliament results in: 48,86 % of women representation and 18,0 % of the representatives are not more than 25 years old in the Cuban parliament.

Cuba and Austria have a strong relationship regarding education – several higher education institutions have bilateral cooperation agreements- and culture, e.g. there is a center for classical music in Cuba and also a Mozarteum in Havana. There are also some economic relations in trade of industrial goods between Cuba and Austria but the economic relationship should be strengthened much more in the future.

For us as future “Engineering Managers” it was very interesting to get a deeper insight in this country and according to last statement of the Ambassador “ Visit Cuba” we will try.

Excursion

Kapsch TrafficCom and Kapsch Components



Participants at the production site of KAPSCH in Vienna.

The EM group was welcomed by a brief presentation of the Kapsch Group in general and especially of Kapsch TrafficCom.

The Company was founded on 1892 by Johann Kapsch, originally producing communication equipment such as Morse-devices. Later the company was manufacturing electrical batteries, radio- and television devices. After World War II the Company was heavily involved to development and rebuild of the Austrian telephone network.

In the 1990's the Company decided to expand the business to the field of telematics equipment, such as traffic control- and management systems. In order to make telematics as one of the core competencies of the company, several acquisitions of companies were carried out during 1999 - 2010. Today Kapsch is the world market leader in traffic control systems business with approximately 88% market share.

After this impressive introduction we had a tour through one of the production plant - Kapsch Components. The company has in Vienna production facilities of 6000m². In this plant "Printed Circuit Boards (PCBs)" were produced and assembled with other components to modules of

the tolling systems. Assembly is done mostly on fully automated lines. The newest was taken to the operation in 2008. In this line 100 000 components/hour could be attached on the PCBs. After assembling of the components the PCBs are conveyed through an automated soldering machine. The next step is quality inspection according to international standards including heating in an oven under N₂ environment. The cycle time of the lines is 8 seconds.

Because of the very qualified guides our international EM group get a deeper insight in an Austrian Company and new experiences.

Evening Lecture

Business in the EU and East Asia China-Korea-Japan



Business Evening with Ing. Wolfgang Slawinski, MSc(OU) at TU Wien.

In the framework of the "Engineering Management Program" Ing. Wolfgang Slawinski MSc(OU), Vice President of the European Union Chamber of Commerce in Korea (EUCCK) and graduated from the 2nd EM program, gave on March 25th, 2011 an overview of the European business with East Asia.

Over the past couple of years, EU trade and investment have grown remarkably in East Asia and are benefiting from China, Japan and Korean economic growth. EU companies have put considerable trust and confidence in this region and demonstrated an outstanding long-term commitment to these growing countries. The EUCCK is an independent non-profit organization with around 850 members from the EU, which helps to develop trade, commercial and industrial relations between the EU and Korea.

All three countries have a very fast growing industry and are in the international ranking in top positions. But there are several general business hints for foreign business managers which have to be considered. He discussed these on examples from own experiences e.g. building up a network is more important than understanding the language; hierarchical business and social structures are fixed.

Because of a lot of questions from the audience the event ended after more than two hours at 10.00pm. "It was very successful addition to the EM program" was the unanimous opinion of the participants.

Faculty

(in alphabetical order)

Dipl.-Ing. **Hannes Ambacher**, MBA

Dipl.-Ing.Dr. **Brigitte Bach**

Jacky Baltes, Ph.D.

Mohammed S. Bazaz, Ph.D.

Mukesh Bhargava, Ph.D.

Robert F. Bordley, Ph.D.

Univ.Doiz.Ass.Prof.Dipl.-Ing.Dr.techn.

Felix Breitenecker

Dipl.-Ing. **Helmut Burian**

Dr. **Joseph H. Callaghan**

Im Deok-Jeone, President

Patrick Dessert, Ph.D.

Dipl.-Ing. **Sibylle Dolecek-Anselment**

Dr.-Ing. **Tom Duda**

Ao.Univ.Prof.Dipl.-Ing.Dr.techn.

Prof.h.c.Dr.h.c. **Numan M. Durakbasa**

Dr. **Gregor Eckerth**

Edward J. Farragher, PhD

Prof.Dr.-Ing. **Hartmut Federle**

Prof.Dr. **Gustav Feichtinger**

Mag. **Alexandra Flicker**

Gene Fliedner, PhD

KR Baurat h.c.Dipl.-Ing.Dr. **Günter Fürnsinn**

Peter Gatscha, Ph.D.

Dipl.-Ing.Dr. **Norbert Girsule**

Dr.rer.nat. **Andreas Gotwald**

Dipl.-Ing.Dr. **Helmut Gumbsch**

Dr. **Johann Günther**

Dipl.-Ing.Dr.techn. **Edmond Hajrzi**

Dipl.-Ing.Dr. **Man-Wook Han**, MSc(OU)

Mag.Dr. **Emil Hierhold**

Dr.jur. **Lothar Hofmann**, LL.M.

Dipl.-Ing. **Heinz Holzinger**, MSc(OU)

Univ.Prof.Dipl.-Ing. Dr. **Heinz Hübner**

Mag. **Helmut Horvath**

Hofrat Dipl.-Ing. **Manfred Horvat**

Ronald Horwitz, PhD

Dipl.-Ing. **Thomas Hrabal**, MSc(OU)

Mag. **Franz Ivan**

Dr. **Gerhard Jelinek**

Dr. **Norbert Jesse**

Dipl.-Ing.Dr. **Heinz Kaupa**

Naim Kheir, Ph.D.

K. Kim, Ph.D.

Dipl.-Ing. **Arno Klamminger**

Robert T. Kleiman, PhD

Dr. **Karl Knerzourek**

Dipl.-Ing.Dr.techn. **Bernd Kopacek**, MSc(OU)

em.o.Univ.Prof.Dipl.-Ing.Dr.Dr.h.c.mult.

Peter Kopacek

Prof.Ing. **Peter Kotauczek**

Dipl.-Ing.Dr. **Gernot Kronreif**

Dr. **Gerda Kysela-Schiemer**

Prof.Dr. **Domenico Laforgia**

Prof.Dipl.-Ing. **Ernst Macher**

o.Univ.Prof.Dipl.-Ing.Dr. **Heinz-Bernd Matthias**

Ao.Univ.Prof.Dipl.-Ing.Dr.techn.

Kurt Matyas

Dipl.-Ing. **Tomislav Meniga**, MSc(OU)

James Millat, Ph.D.

Dipl.-Ing. **Hugo Neubauer**

Dir. **Raymond Nyer**

Prof.Dr. **Heinrich Oettel**

Univ.Prof.Dipl.-Ing.Dr.techn.

Herbert Osanna

Ravi Parameswaran, Ph.D.

Dipl.-Ing. **Klaus Pardeller**

o.Univ.Prof.Dr. **Franz Pichler**

Mohan R. Pisharodi, PhD

Mag. **Walter Pittioni**

Matej Plasko, Ph.D.

Mag.Dr. **Erhard Prantz**

Dipl.-Ing.Dr. **Robert Probst**

Dipl.-Ing.Dr. **Bernhard Putz**

Dr. **Adolf Rath**

Dr. **Herbert Reimitz**

Univ.-Doz.Dr. **Veith Risak**

Dr. **Jacques G. Richardson**

Dr. **Anneliese Rohrer**

Mag. **Alexandra Rommens**, MSc(OU)

Prof.Mag.Dr. **Peter Schattschneider**

o.Univ.Prof.Dipl.-Ing.Dr. **Günther Schmidt**

Dipl.-Ing. **Alexander Scheidl**, MSc(OU)

Dr. **Lutz Günter Scheidt**

Dipl.-Ing.Dr. **Edmond Schierer**

Dr. **Hans-Peter Schmidtbauer**

Prof.Dr.-Ing.Dr.h.c. **Rolf Schraft**

Prof.Dr.Dr.h.c. **Heinz Schwärtzel**

Howard S. Schwartz, Ph.D.

Ing. **Johann Schweiger**, MSc(OU)

Sankar Sengupta, Ph.D.

Manuchehr Shahrokhi, Ph.D.

Rajeev Singhal, Ph.D.

Em.O.Univ.Prof.Dr.techn.Dipl.-Ing.

Peter Skalicky

Ing. **Wolfgang Slawinski**, MSc(OU)

Ernest B. Smith, Ph.D.

Lawrence Stapleton, Ph.D., MA, B.Sc.
(Hons), CPIM

Prof.Dr. **Günther Tichy**

Mag. **Brigitte Thornely**

Janell Townsend, Ph.D.

Prof.Dr. **Kuo-Yang Tu**

Catherine Tyler, Ph.D.

Mohamad Vaziri, Ph.D., CFS

Chris Wagner, Ph.D.

o.Univ.Prof.Dipl.-Ing.Dr.

Alexander Weinmann

Soc.Med.Manager **Astrid Wecht**

Prof.Dr.-Ing.habil. **Jürgen Wernstedt**

Terry J. Wharton, Ph.D.

Mag. **Manfred Wieland**

Floyd W. Willoughby, Ph.D.

Prof.Dipl.-Ing.Dr. **Norbert Winker**

Dipl.-Ing.Dr. **Klaus Woltron**

Dipl.-Ing.Dr. **Markus Würzl**

Prof.(FH)Dr. **Martin Zauner**

Prof.Dr. **Heinz Zemanek**

Dr. **Helmut E. Zifkovits**

Bernhard Zimburg, Ph.D.

Master's Theses – TU Wien

(in alphabetical order)

Amirhassan Aliakbar | 2010

Agile Software Development Methodologies; an Approach to achieve Quality in Software

Pavol Bartko | 2011

Total Productive Maintenance

Andreas Bretschneider | 2008

Introduction of a production planning and control system (PPC) in an Austrian foundry

Slobodan Danilovic | 2008

The key factors to business process management project success

Padmanabhan Dasarathy | 2011

TQM Implementation in Private Universities using a lean approach

Siavash Dezfouli | 2011

Global Trends in Cost oriented Autonomous Robot Market

Alfred Dolecek | 2008

Simulation of the cost of project risks

Stefanie Feichter | 2008

Evaluating a business Model in the development stage of content based internet businesses – shown with an example of a platform for people with food

Chaminda Fernando | 2014

Monitoring, Validation and diagnosis data processing using intelligence Techniques

Robert Fidler | 2010

Monitoring of PV Plants. Enhanced Methods and Yield Forecasting

Michael Fischer | 2014

A Systemic Approach to Frugal Innovation with Focus on Product Definition of Frugal B2B Products

Matthias Frick | 2011

An Exploration of Stakeholder Perceptions in a Large-Scale Construction Engineering Project

Leonardo Garcia Medina | 2011

Task Distribution Method for Projects

Martin Gmeiner | 2010

To explore the key dimensions of the transition to ITIL V2 and ITIL V3

Manuel Gusterer | 2014

From idea to product – Implementation of a mobile, interactive TV service

Bahadur Ibrahimov | 2014

Oil Exploration (Petroleum Geology) and Production Management

Jan Rudolf Illetschko | 2008

The role of component driven information systems development in work group socialization in large scale software projects – an engineering management problem

Herbert Jäger | 2008

Integrated Circuit Product Development Cycle: Process and Their Implementation

Michael Janosch | 2008

Assessment of the process flow and data management within engineering departments

Michael Jungnitsch | 2008

Case Study on organizational restructuring in a post-merger integration

Franz Herbert Josef Kaltseis | 2010

Design for recyclability and improved disposability (Green engineering)

Michael Kirchsteiger | 2011

Business intelligence in today's banking challenges: Basel II

Marcel Koch | 2008

Organizational optimization of a design and development department in an aerospace corporation

Christophe Krauth | 2010

Improvement of Big-Bag fertilizers station and its relevant logistics

Erwin Kruschitz | 2008

Testing critical logic systems Concept for a Testbed used in Oil & GAS & Biotech Industry

Thomas Linder | 2011

Supply Chain Management in Small and Medium-sized Enterprises

Enrique Lopiz Canto | 2008

Analysis of Human Factors in the modernising air traffic industry: The air traffic controller

Wolfgang Mair | 2014

Leveraging microfinance through mobile banking

Juha Mantere | 2011

Fleet management in international organization – case study EULEX Kosovo fleet management project

Bekim Marmullaku | 2014

Marketing strategies of SMEs based on product life cycle – a study among SMEs in Kosovo

Thomas Michael Neff | 2008

Innovation offshoring – can R&D processes be outsourced

Bjarney Sonja Olafsdottir | 2008

An integrated approach to competitive analysis and business models identification for online multi-media social networking services

Christof Pitter | 2011

Key Technologies for Future Embedded Systems

Walter Posch | 2008

Analysis of the future Requirement for a technical service

Martin Schober | 2008

DMF – Development and analysis of an advanced dual mass flywheel

Johann Sedlar | 2008

Management of the installation of a large hydro power plant

Rit Sukpituksakul | 2010

Green Supply Chain Management in the Automotive Industry

Mohamed Temraz | 2010

Innovation and Growth in Tough Times – A Case Study of Telecom Industry

Augusto Tomas | 2008

Managing team excellence by six sigma through DMAIC model

Werner Überall | 2010

Decision Support modeling with standard tools

Christian Voit | 2008

System integration after mergers and acquisitions

Xiaoming Wang | 2014

Modular Integration of Automotive Industry Advanced Product Quality Planning (APQP) in the BRP-Powertrain Company's New Product Development Process

Christian Wenninger | 2011

Management of Collaborative Supplier Networks

Justin Willis | 2010

A review of Communications Management theory and practise for application in Remote management of

Master's Theses – TU Wien in preparation

(in alphabetical order)

Amira Almugrabi

Small and Medium enterprises and their impact on the Economic development in developing Countries

Mimoza Buxhovi

Assessing the banking sector efficiency

Aurélie Dell

The complexity of implementing a system oriented model in Architectural design process

Fabian Hauser

VaR and business opportunities: Monte Carlo studies

Dipin Karal

The role of logistics for the strategy of companies

Perparim Nazifi

Outsourcing, installation and maintenance activities in Telecom

Anton Romanenko

Key success factors MIS implementation in banks

Simon Wartanian

Improve quality and productivity of an existing software project

Georg Weitl

Overview and comparison of company valuation techniques and their practical relevance

PhD Works – TU Wien

(in alphabetical order – partially in German)

Mohsen Mohmadi Daniali | 2013

Walking Control of a Humanoid Robot.

Michael D. Fischer | 2014

Validierungsstrategien von Laserstrahlschweißprozessen für mechanisch hochbeanspruchte Großbaugruppen in der Schienenfahrzeugindustrie.

Man-Wook Han | 2001

Ein Beitrag zur Steuerung von mobilen Robotersystemen.

Thomas Hrabal | 2005

Construction Project Management im Engineering Management Programm: gesamtheitliches Projektmanagement im Hochbau als integraler Bestandteil des Lehrplanes der postgradualen Engineering Management Ausbildung.

Bernd Kopacek | 1999

The European WEEE concept: a contribution to the recycling and re-use of waste from end-of-life electrical and electronic equipment in Europe.

Gregor Novak | 2002

Multi Agent Systems – Robot Soccer.

Herbert Preining | 2011

Praktische Umsetzung eines Entwicklungsprozesses in der Produktentwicklung unter besonderer Berücksichtigung der „frühen Phasen“.

Arne Ragossnig | 2001

Thermal treatment of high-caloric waste in fluidized bed incineration plants in Austria.

Martin Zauner | 1998

Einfluß der Informationstechnik auf die medizinische Gerätetechnik unter Berücksichtigung der RL 2007/47/EG und deren technische und ökonomische Auswirkungen.

PhD Works – TU Wien in preparation

Bahadur Ibrahimov

Improvement of open Innovation efficiency in Robot based technological developments in Petroleum Industry.

Publications

From and about the postgraduate education program Engineering Management

(in chronological order)

Kopacek, P. and E. Hajrizi (2014): Engineering Management in Kosovo; in: Proceedings of the “IFAC World Congress 2014”, International Federation of Automatic Control, IFAC; Elsevier Science Publishers B.V., Amsterdam, 2014, p. 9875–9879, ISBN: 978-3-902823-62-5; DOI 10.3182/20140824-6-ZA-1003.01241.

Kopacek, P. E. Hajrizi and L. Stapleton (2013): “From Engineering to Mechatronics Management”; in: “Proceeding 15th Workshop on International Stability, Technology and Culture”, IFAC; Elsevier Science Publishers B.V., 2013

Kaltseis, F. (2010): Tools and Methods in Product Development to Reduce the Environmental Impact. In: Proceedings of the IFAC International Workshop “Supplemental Ways for Improving International Stability – SWIIS 2010”, Prishtina, Kosovo, October 2010, p. 53–58

Temraz, M. (2010): Viable Strategies for Innovation in Telecom Industry in Tough Times. In: Proceedings of the IFAC International Workshop “Supplemental Ways for Improving International Stability – SWIIS 2010”, Prishtina, Kosovo, October 2010, p.89–94.

Willis, J.J. (2010): Communications Management in Partially Distributed Teams. In: Proceedings of the IFAC International Workshop “Supplement Ways for Improving International Stability – SWIIS 2010”, Prishtina, Kosovo, October 2010, p. 117–122.

Kopacek, P. (2006b): Higher Technical Education in Austria. In: Proceedings of the 17th EAEEIE Annual Conference on Innovation in Education for Electrical and Information Engineering, June 1.–3.2006, Craiova, Romania, ISBN 978-973-742-350-4, S. 69–73

Engineering Management in the Media

Selected articles from newspapers – unfortunately only in German

Kopacek, P. (2006a): Education in Engineering Management. In: Memorias of the Primeras Jornadas Internacionales de Mantenimiento y Mejoramiento Empresarial, Escuela Politecnica Nacional and Asea Brown Boveri (ABB), Escuela Politecnica Nacional, March 8.–10.2006, Quito, Ecuador.

Kopacek, P. (2004b): Education for Automation in Developing Countries. In: Preprints of the International IFAC Workshop DETCOM–TT 2004, Automatic Systems for Building the Infrastructure in Developing Countries, Regional and Global Aspects, October 3–5, 2004, Bansko, Bulgaria, ISBN 954-9641-41-4, S. 1–5.

Kopacek, P. (2004a): Education for New Automation Technologies. In: Proceedings of the IFAC Multitrack Conference on Advanced Control Strategies for Social and Economic Systems, 2.–4. September 2004, Vienna, Austria, ISBN 0 08 044242 0, S. 197–201.

Fischer, G. (2004): Engineering Management. PhD. Thesis, IHRT, TU Wien, 2004.

Kopacek, P. and B. Kopacek (1996): Engineering Management a new dimension in postgraduate education. In: Proceedings of the SEFI Annual Conference '96, Education the Engineer for Lifelong Learning, September 11–13, 1996, Vienna, S.247–252.



From the Newspaper Presse from November 6/7, 2010, page K19



Cut from the Newspaper Presse from November 6_7, 2010, page K19



Cut from the Newspaper Presse from May 19, 2012, page F2

Kombination Technik und Wirtschaft

ENGINEERING MANAGEMENT. MSc-Studium für Berufstätige mit einem "Presse"-Stipendium.

WIEN (ewi). "Managementpraktiken in Verbindung mit der Durchführung technologischer Projekte" oder: "kombinierte Kenntnisse in technischen und wirtschaftlichen Fragen": Das sind nach der Eigendefinition die Ziele des neuen Studiengangs "MSc - Engineering Management" an der TU Wien, der am 28. September 2007 beginnt.

Professor Peter Kopacek leitet das Institut für Handhabungsgeräte und Robotertechnik an der TU Wien, er hat aber schon vor 15 Jahren die Brücke von den Industrierobotern zur Wirtschaft geschlagen. Zwölfmal führte er das Weiterbildungsprogramm Engineering Management (EM), nach einjähriger Pause startet nun "EM neu", wie Kopacek im Gespräch mit der "Presse" betont. Das heißt: das dreisemestrige Lehrangebot für Berufstätige ist den Richtlinien des Bologna-Prozesses angepasst. Das Studienprogramm umfasst 90 ECTS-Punkte, die Lehrleistung wird somit im gesamten europäischen Hochschulraum anerkannt und angerechnet. Außerdem müssen die Studierenden eine Master-Arbeit verfassen und schließlich erhalten sie - erstmals - von der TU Wien die Graduierung zum Master of Science (MSc) der TU. Die Hälfte der Vortragenden kommt weiterhin aus den USA, die Seminarsprache ist Englisch, die bestehenden Module werden neu gewichtet (der Logistikbereich erhält einen höheren Stellenwert). Wie in der ersten Dekade des MSc-Programms vergibt "Die Presse" wieder ein Stipendium (siehe Info-Kasten).

Die Kosten von 19.500 Euro (exkl. Reise- und Aufenthaltskosten) bewegen sich im mittleren Preissegment eines arrivierten dreisemestrigen Masterlehrgangs, der berufsbegleitend (mit Modulen) konzipiert ist. Es sind insgesamt 13 Wochenendmodule vorgesehen, ein Modul dauert von Freitagmorgen bis Dienstagabend. Für die Zulassung ist ein abgeschlossenes Hochschulstudium oder eine gleichwertige Qualifikation (durch eine mehrjährige einschlägige Berufserfahrung) vorgeschrieben. Nachfrage ist vorhanden Kopacek ist überzeugt, dass ein Master of Science in technischen Branchen "relevanter gesehen wird als ein MBA". Denn Engineering Management konzentriert sich auf die Schnittstelle zwischen den technischen wie wirtschaftlichen Disziplinen. Die Chefin von Siemens Österreich pflichtet dem TU-Professor voll bei: "In der europäischen Industrie", so Brigitte Ederer, "gibt es eine starke Nachfrage nach interdisziplinär geschulten Mitarbeitern mit Kenntnissen im Technologie- wie im Wirtschaftsbereich." Telekom Austria-Chef Boris Nemsic hebt am EM wiederum Professionalität und Internationalität hervor.

<http://engineering.tuwien.ac.at>

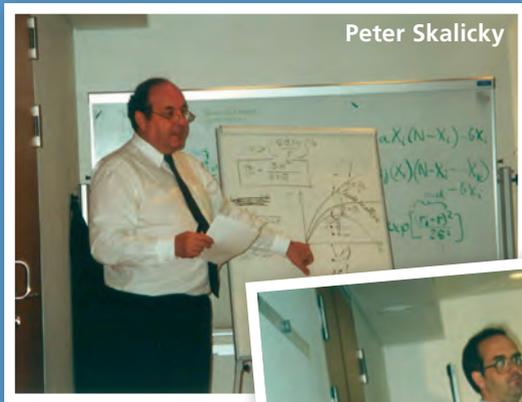
"Presse"-Stipendiatin

Dem Master in Engineering Management einen entscheidenden Schritt näher ist "Presse"-Stipendiatin Stefanie Feichter. Die studierte Computertechnikerin konnte sich gegen ihre Mitbewerber durchsetzen und erhielt das Stipendium von 15.000 Euro für das Masterprogramm Engineering Management an der TU Wien.

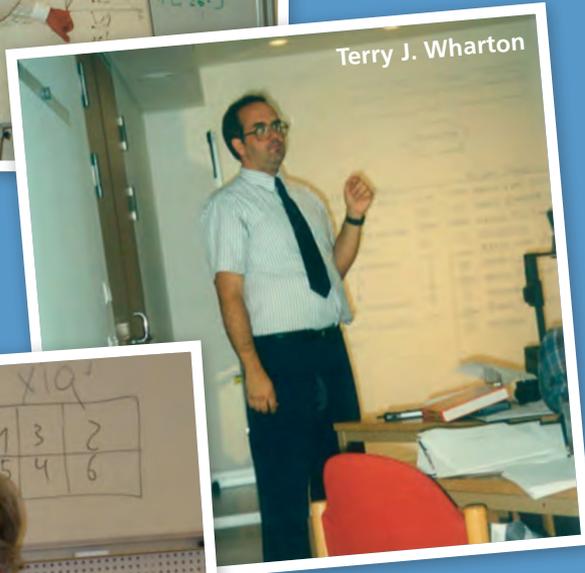


Left to right: Prof. Peter Kopacek (TU Wien), Alexandra Supper (Die Presse), Rector Peter Skalicky (TU Wien), Scholarship winner Stefanie Feichter

Some of our Lecturers in Action



Peter Skalicky



Terry J. Wharton



Kurt Matyas



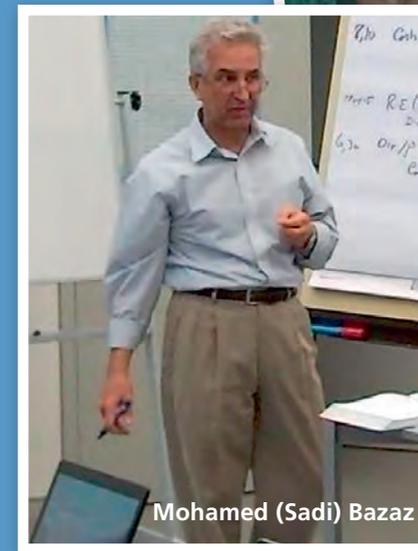
Heinz Zemanek



Lothar Hofmann



Jaques Richardson



Mohamed (Sadi) Bazaz

Some of our Lecturers in Action



Janell Townsend



Erhard Prantz



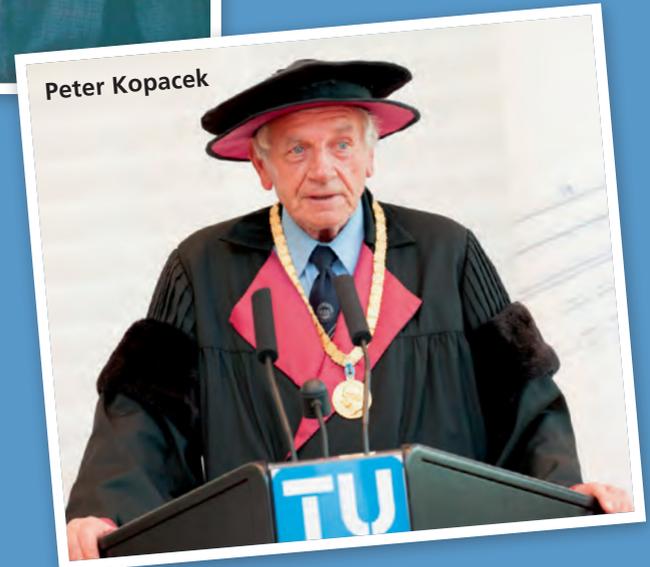
Larry Stapleton



Heinz Bernd Matthias



Kuo-Yang Tu



Peter Kopacek

Our Participants in Action



Prom of TU Wien



European FIRA Robot Soccer Cup – EUROBY 2008. Baddy serve as team member of AUSTRO.

Team AUSTRO from left to right. Peter, Mohamad, Yang, Baddy, Kung, Bernhard, Petzi



Euroby 2008: We were the winners.

Our Participants in Action



Excursion in the rain at Diamond Aircraft, Toronto.



Excursion at Mobilkom Austria.



Excursion at OMV Schwechat.

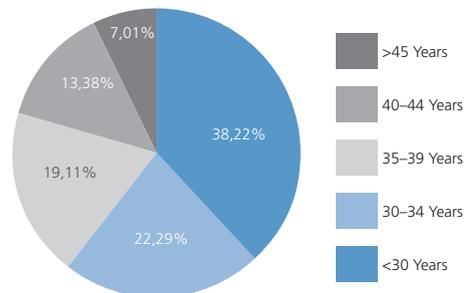


International IFAC Conference „ Supplemental Ways for Improving International Stability – SWISS 2010“ at UBT in Prishtina. Mohamed, Franz and Justin presented papers.

Statistics

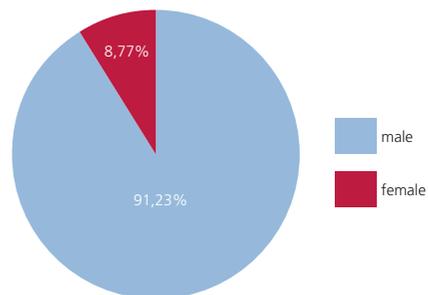
By age

Age	Number	%
< 30 years	60	38,22%
30–34 years	35	22,29%
35–39 years	30	19,11%
40–44 years	21	13,38%
> 45 years	11	7,01%
	157	100,00%



By gender

Gender	Number	%
male	141	91,23%
female	16	8,77%
Total	157	100,00%



Nationalities

(in alphabetical order)

- Austria
- Azerbaijan
- China
- Croatia
- Egypt
- Finland
- France
- Germany
- Iceland
- India
- Iran
- Italy
- Kosovo
- Libya
- Luxembourg
- Portugal
- Slovakia
- Spain
- Sri Lanka
- Switzerland
- Thailand
- United Kingdom
- Ukraine

International Engineering Management (IEM) – UBT Prishtina, Kosovo



Engineering Management in Transition Countries

Dr. Edmond Hajrizi, President UBT

As Kosovo is a transition country and the Western Balkan is a transition region. Consequently, in order to support the entrepreneurship and innovation to drive economic growth and social development, people were urgently needed who could combine excellent management skills with state of the art of engineering knowledge.

The first ever program in the region designed to inculcate these competences was International Engineering Management (IEM), which was adapted from the Engineering Management Program of Vienna University of Technology in cooperation with Oakland University, Rochester, MI, USA.

After our first International Conference in Kosovo entitled “Modern Enterprise: Management – Engineering and Computing”, which was opened by the former President of Kosovo Dr. Ibrahim Rugova, Prof. Kopacek and I had the wonderful opportunity to meet many key stakeholders of the region. We explored with them their understanding of the needs for a new kind of education and how this could foment knowledge transfer for economic and social development.

Following these meetings, Prof. Kopacek and I developed a vision for a new educational initiative and launched our new IEM program in Kosovo with 29 students. This proved to be enormously successful and has continued for many years into current times.

The results:

A new way of thinking about enterprise and a new spirit for doing business, for what “quality of education” means and a new embracing of science and technology have built a tremendous developmental engine in the region. Our IEM Alumni are now the leaders of today in Business, Technology, Education and Governance.

IEM has developed a new entrepreneurship and innovation spirit in Higher Education in the region. But this was only the initial phase to deliver the vision: the establishment of the first nonpublic Higher Education in the region focused on Business and Technology: UBT – University for Business and Technology. Today we are the leading Higher Education Institution in Kosovo with more than 7000 students.

International Engineering Management (IEM) – UBT Prishtina, Kosovo

1st Class IEM 2004 / Prishtina, Vienna, Rochester

Kujtim Asllani • Afrim Aziri, MSc • Petrit Bajraktari, MSc • Uranik Begu, MSc • Ibrahim Bejtullahu • Besar Blakaj • Isak Bujari • Besim Bytyci • Arton Celina, MSc • Xhavit Collaku • Dren Fetiu • Esat Gashi, MSc • Selver Hasani • Arbnor Kastrati • Halil Krasniqi, MSc • Arton Kubati • Ylber Kuraja • Adnan Lushtaku • Afrim Mehmetaj • Zekrie Osmani • Aida Podrimaj • Ilir Rexha, MSc • Rexhepi Mejd • Lumnije Rezhepi • Artan Shema, MSc • Servet Spahiu • Sefer Susuri • Vigan Sylejmani • Arben Veseli, MSc



Excursion to the construction site of Vienna Underground Line U2

International Engineering Management (IEM) – UBT Prishtina, Kosovo

2nd Class IEM 2005 / Prishtina, Vienna, Rochester

Bujar Abdullahu • Artan Avdiu, MSc • Nehat Aziri, MSc • Fatos Bakalli • Ilhaz Bejtullahu, MSc • Albert Bicaj, MSc • Hamid Bula • Mimoza Buxhovi, MSc • Burim Ejupi • Arsim Firza • Merita Gjyshinca Peja, MSc • Shpresa Govori, MSc • Yll Hajdari, MSc • Shkumbin Hasani, MSc • Gezim Kasapolli • Mentor Kazazi • Visar Lluka, MSc • Bekim Marmullaku • Halim Mucolli • Shukri Mustafa, MSc • Valon Murtezaj, MSc • Shpresa Novakazi, MSc • Visar Ramajli, MSc • Nazim Rizanaj, MSc • Driton Shala • Visar Xheferi, MSc • Arben Ymeraga



A lecture break at TU Wien

International Engineering Management (IEM) – UBT Prishtina, Kosovo

3rd Class IEM 2006 / Prishtina, Vienna, Rochester

Arten Bajrush, MSc • Binak Beqaj, MSc • Faton Citaku, MSc •
Edi Daci-Prapashtica, MSc • Vlora Deshishku, MSc • Gafurr Dugolli, MSc •
Driton Fetahi, MSc • Shukri Gashi, MSc • Bujar Gosalci, MSc • Naser Grajevci, MSc •
Skender Halili, MSc • Andin Halimi, MSc • Eqrem Kastrati, MSc •
Qefser Kupina, MSc • Suad Lushtaku, MSc • Florina Mehaj-Kosumi, MSc •
Arian Meta, MSc • Albion Mulaku, MSc • Mithat Nallbani, MSc •
Shpresa Novoberda, MSc • Mergim Prishtina, MSc • Rajmonda Purrini, MSc •
Luljeta Shala, MSc • Fatos Shllaku, MSc • Blerim Tafilaj, MSc • Dhimiter Tola, MSc •
Vegim Zhitija, MSc



At UBT with President Hajrizi

International Engineering Management (IEM) – UBT Prishtina, Kosovo

4th Class IEM 2007 / Prishtina, Vienna, Rochester

Kushtrim Ademaj, MSc • Luljeta Arifi, MSc • Jeton Bajramaj, MSc •
Ethem Ceku, MSc • Ilir Dula, MSc • Admir Istrefi, MSc • Dukagjin Kerveshi, MSc •
Lindita Laci-Gorani, MSc • Edita Nuredini, MSc • Sami Preteni, MSc •
Arita Tahiri, MSc



Computing at TU Wien

International Engineering Management (IEM) – UBT Prishtina, Kosovo 5th Class IEM 2008 / Prishtina, Vienna, Rochester

Lulzim Beqiri, MSc • Artan Dermaku, MSc • Mimoza Dugolli, MSc •
Vjollca Duriqui-Hajdari, MSc • Ardian Gashi, MSc • Aferdita Hoxha, MSc •
Agata Jashari, MSc • Arbenita Krasniqi, MSc • Arbnora Krasniqi, MSc •
Perparim Muja, MSc • Muharem Rama, MSc • Leonora Selmani, MSc •
Lumturije Selmani, MSc • Labinot Spahiu, MSc • Arta Sutaj, MSc •
Gezim Tropoja, MSc • Hysenaj Valon, MSc • Uran Vela, MSc •
Agnesa Vezgishi, MSc



Excursion at Voestalpine, Linz, Austria

Selected Master's Theses IEM (KOSOVO)

(in alphabetical order)

Luljeta Arifi | 2007

Project Management Methodology and Project life cycle focus in Projects in Kosovo.

Petrit Bajraktari | 2004

Total Quality Management in Construction Industry with a special emphasis on the transitional situation in Kosovo.

Fatos Bakalli | 2005

Combination of Decision Analysis Methodology and Techniques on Defining International Traffic Termination Rates.

Uranik Begu | 2004

Development of Marketing by Local SME's in Kosovo.

Binak Beqaj | 2006

Urban Management in Kosovo and Policy Options.

Lulzim Beqiri | 2008

Strategic Management of SME construction companies in Kosovo.

Albert Bicaj | 2005

Payment cards development in Kosovo. The driven factors for development of Payment Card Business Kosovo.

Ethem Çeku | 2007

Analysis of the impact of natural resources of economic development of Kosovo.

Arton Celina | 2004

Role of Total Quality Management in Development of Small and Medium Enterprises in Kosovo.

Mimoza Dugolli | 2008

Identification of the commercial losses in the energy system of Kosovo.

Esat Gashi | 2004

Advantages of Application of Total Quality Management (TQM) principles in construction industry.

Agatha Gashi-Jashari | 2008

Utilisation of the Project Management project life cycle focusing on Public Health Projects in Kosovo.

Merita Gjyshinca-Peja | 2005

Distribution Channels Management in Banking Sector - Global Trend and Strategies.

Naser Grajevci | 2006

SME Definition and their impact on economic development during the Process of Globalization.

Andin Halimi | 2006

The Role of the Facilities Management in Improving of Business Performances.

Arbenita Krasniqi | 2008

Project Management Structures.

Halil Krasniqi | 2004

Marketing Concept and its application in Kosovas enterprises.

Qefser Kupina | 2006

Comparative analysis of budgeting process – A survey among publicity owned Enterprises in the Republic of Kosovo.

Lindita Laçi-Gorani | 2007

Utilisation of the Project Management Project life cycle focusing on Public Health Projects in Kosovo.

Florina Mehaj-Kosumi | 2006

Increasing the Effectiveness of Central Public Administration of Kosovo.

Arian Meta | 2006

Impact of Investment Promotion Agency and Fiscal Policy on Attraction of Foreign Direct Investment in Kosovo.

Përparim Muja | 2008

A critical analysis of the Kosovo Customs Service Process and procedure international customs clearing opportunities for increased efficiency and regional success.

Valon Murtezaj | 2005

Leadership Development and Change Management towards an Excellent Organization.

Shukri Mustafa | 2005

6 Sigma helping achieve Cost Reduction and Process Improvement/Productivity in the Service Industries (Bank).

Sami Preteni | 2007

Environment Management in Mining Industry in Kosovo ISO 14001:2004 Environmental Management System.

Artan Shema | 2004

Effects by application of the International Financial Reporting Standards (IFRS) at the balance credit rating.

Hysenaj Valon | 2008

IT Service Management and Implementation in a Financial Institution in Kosovo.

Agnesa Vezgishi | 2008

Investment from foreign financial institutions during the period 2000-2008 and their impact in the job creation by SME's in Kosovo.

PhD Works – IEM Kosovo Program

All at TU Wien, (in alphabetical order)

Muhamet Ahmeti | 2012

Transport and Logistics impact for Economic Developments – case study: Kosovo.

Binak Beqaj | 2011

Integrated urban management: (case of Prishtina).

Lulzim Beqiri | 2014

Application of System Engineering in Construction from idea to final Building Structure and Relation throughout the Process.

Mimoza Dugolli | 2012

Bioclimatic Architecture and Home Automation Case Study: Residential Buildings in Kosovo.



The postgraduate Education Center (CEC) at TU Wien

Mag. Petra Aigner
Managing Director CEC

For 200 years, the TU Wien has been a center of research, learning and teaching dedicated to the furtherance of academic and scientific progress. The TU Wien is one of the most successful universities of technology in Europe. With over 28,000 students and around 4,500 members of staff, it is Austria's largest teaching and research center in technology and science.

Since 2005, the Continuing Education Center (CEC) of the TU Wien has been the central point of contact for all postgraduate studies. Under the auspices of the CEC, MBA, MEng and MSc programs are offered, as well as university courses and special seminars. Postgraduate studies can be interdisciplinary in nature, supplementing a student's first course of study, or they can, on the other hand, involve more in-depth continuation of the latter.

In conjunction with an international network, the unique know-how we offer at the interface between technology and business and between innovation and market ensures a balanced portfolio of continuing education programs which is always kept up-to-date.

The TU Wien is also innovative when it comes to the learning environment. As well as providing insight into the latest cutting-edge developments in a range of subjects, the CEC of the TU Wien offers students an innovative learning environment with a level of service second to none. Since 2012 CEC students of the TU Wien have each received an iPad instead of study materials in hard copy format. We thus ensure our students are always able to gain access to their study materials wherever they might be in the world. With this innovative approach, the TU Wien became the first university in Europe to provide its continuing education students with an Apple tablet.

In addition, the CEC of the TU Wien offers a wide range of inter-program networking activities to supplement students' postgraduate studies.

In the summer semester of 2015, the CEC is hosting 465 students from 44 countries. The CEC is continually enhancing its position as a competent partner on the postgraduate continuing education market, offering a professional service for those with a thirst for knowledge and a hunger for education.

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Engineering Management
Environmental Technology & International Affairs
Real Estate Investment & Valuation
Renewable Energy in Central & Eastern Europe

Master of Engineering

Membrane Lightweight Structures
Sustainable Construction

Master of Business Administration (MBA)

General Management MBA
Professional MBA Automotive Industry
Professional MBA Entrepreneurship & Innovation
Professional MBA Facility Management

Certified Programs

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Executive Management for Engineers
Real Estate Management
Industrial Engineering
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Come and visit us at Operngasse 11.
Our team will be glad to tell you all about what we have on offer.

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