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To **Members FEMP**
Alumni and students EMMEP programs

From Hans de Ruiter, Coördinator FEMP

Address:
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The Netherlands

Dear students, alumni, industry members, colleagues and guests,

Following you will find the second newsletter of 2017 with an update on the activities of FEMP and the EMMEP programs. Please contact info@femp.org in case you have any questions or remarks.



EIT RawMaterials is supported by the EIT,
a body of the European Union

EMC is now part of the RawMaterials Academy

In March of this year FEMP applied for the European Institute for Innovation and Technology EIT quality label (see FEMP newsletter 2017-1). We just were informed that the panel of independent reviewers has evaluated the EIT-Label applications 2017, including those for the EIT RawMaterials label, which is a quality seal for entrepreneurship & innovation in educational programs at Master and PhD levels.

The European Mining Course (EMC) application was evaluated positively and received the EIT RawMaterials label, which makes it part of the RawMaterials Academy. The review panel was impressed with the longstanding tradition of EMC (established in 1996) and the ability of the program to adapt itself to changing circumstances over the years, like in 2011 when, after a strategy meeting with the industry, the program adapted more towards innovation and leadership in the mining industry. There is a strong relationship with non-academic partners particularly with the FEMP foundation, which sponsors students and contributes financially towards the program. This is a feature of good practice. The panel also found the application document an example of good practice of a well written and structured document and very accessible for non-experts in the field of mining.

The RawMaterials Academy (<https://eitrawmaterials.eu/eit-rm-academy/>) is the overarching brand of all the education activities of the EIT RawMaterials. These range from innovative education projects launched, via calls and run by the KIC's partners, to a number of centrally operated projects.

Activities across the entire ecosystem of learners – PhD students, Masters' students, industrial partners, professionals within the raw materials sector, and wider society-foster new ways of learning and teaching by linking academia, industry and research organisations. The aims of the RawMaterials Academy are:

- To introduce society as a whole to the importance and relevance of raw materials and incite interest in topics related to raw materials
- To train current and future stakeholders to the technical standards required by the raw materials industry today – contextually across the full raw materials value chain
- To foster the entrepreneurial and innovation skills, knowledge and attitudes needed for the entre- and intrapreneurs of tomorrow

To this end, the RawMaterials Academy offers education programs through four strands: Master's Education, PhD Education, Lifelong Learning and Wider Society Learning.

In addition various educational events and workshops are organised both centrally and through the Co-location Centres over the entire year. One of these is the Raw Materials University Days.

The Academy's Master's- and PhD- Education provide students with an outstanding foundation for a future career through industry-focused programs which enable collaboration with top specialists in the field from academia, research and industry. Students strengthen their technical expertise while fostering the entrepreneurial and innovation skills, knowledge and problem-solving mindset needed to ensure a sustainable future for the raw materials sector across the entire value chain. Masters and PhD Education at EIT RawMaterials promotes interdisciplinary, international collaboration and within a program, students have the opportunity to study at several centres of excellence throughout Europe.

In particular, EIT RawMaterials sponsors now seven programs which have been awarded the EIT label:

- Emerald – Master in Georesources Engineering
- EMC – European Mining Course: International Master in Mining Engineering
- AMIS – Master in Functional Advanced Materials and their Engineering Innovation
- SUMA – Master in Sustainable Materials
- IDS-FunMat-INNO – International Doctoral School in Functional Materials
- NEAT Materials – New Approaches and Technologies in Materials Production (pilot phase)
- SinREM - Sustainable innovation / recovery&recycling

Working in close cooperation with industrial partners, Lifelong Learning courses offer innovative professional training for individuals already working in the raw materials sector. Courses are designed not only with the acquisition of skills and transfer of knowledge in mind, but also focus on tackling innovation challenges and the competitive pressures of new trends and technologies in the raw materials sector.

Seven companies which are partner in the EIT RawMaterials belong to the 25 companies which support FEMP:



Education and students

The EMC, EMEC and EGEC students of the 2015-2017 are finishing their thesis work. EMEC and EGEC students will present their thesis via Skype to Wroclaw and Miskolc universities the day prior to the reunion in Sopron.

The 2016-2018 EMC cohort started mid-April with their second semester in Aachen. Some of them completed an internship during the January-April break. The student who started in September 2016 with the EMREC program in Delft, finished the second semester in Aalto and has moved back to the Netherlands to complete his third semester and thesis work in Delft.

After processing the 27 application for the 2017-2019 program 24 were offered a place. 23 for the EMC and one for the EMREC option. Out of the 23 EMC candidates five withdrew: one because he did not expect to obtain his BSc before 1 September, three for financial and one for unknown reasons.

The nationalities are: British(1), Canadian(1), Colombian(1), German(3), Ghanese(1), Netherlands(8), Pakistani(1), Polish(2). 22% of the students are female.

Industry

Currently two cohorts of students are participating in one of the two options of the EMMEP program. This is an ideal opportunity for the industry to meet one or more of these groups at the university where they are studying.

	From	Until	Location
Cohort 2016 EMC	Early April 2016	Late August 2016	RWTH Aachen
	September 2016	January 2017	TU Delft
	February 2017	July 2017	Thesis project
Cohort 2016 EMREC	September 2016	January 2017	TU Delft
	February 2017	July 2017	Thesis project
Cohort 2017 EMC	September 2017	December 2017	Aalto University
	January 2018	April 2018	internships
	Early April 2018	Late August 2018	RWTH Aachen
Cohort 2017 EMREC	September 2017	January 2018	Aalto or TU Delft
	February 2018	June 2018	Aalto
	September 2018	December 2018	TU Delft

Please contact the following persons if you are interested to meet the students:

Aalto University EMC	Mikael Rinne	mikael.rinne@tkk.fi
Aalto University EMREC	Rodrigo Serna	rodrigo.serna@aalto.fi
RWTH Aachen EMC	Tobias Braun	braun@mre.rwth-aachen.de
TU Delft EMC + EMREC	Mike Buxton	M.W.N.Buxton@tudelft.nl

If you like to get in touch with the thesis students, please contact info@femp.org

Alumni Council (by Thom van Gerwe)

The alumni council met for the first time during the weekend of 1 July. A report of the meeting will be published in the next newsletter. Antje Matthäus replaces Robert Keogh as coordinator of the reunion. The composition of the council is now:

Thom van Gerwe, MSc - Alumni Council Coordinator
 Laura Tiainen, MSc - Database Management and Social Media
 Lucas Weimer, MSc - FEMP Webpages Management
 Wojciech Strycharski - Photo and Video Management
 Antje Matthäus, MSc - Reunion Coordination

You can reach the alumni council by mailing Thom van Gerwe at alumni@femp.org.

FEMP Reunion 2017



The program of the reunion and annual meeting is finalized and the registration has started. The registration deadline for the discounted rate is 1 August. The event takes place in Sopron (Hungary) between Thursday evening 31 August and Saturday afternoon 2 September 2017. The organization of the event is coordinated by Dr. Ferenc Madai of University of Miskolc, assisted by emeritus Dr. Tamás Ormos.

This reunion will put the emphasis on the social contacts between the various groups of participants and the professional contacts of industry, students and alumni. There will be ample opportunities for the industry to meet students and alumni.

The 2017 reunion will also be a good opportunity for alumni to see old friends, and for current students and graduates of 2017 to meet once more before moving to other parts of the world. All program details, the registration form and a list of registered participants can be found soon at the FEMP website: <http://www.femp.org/alumni/reunions>.

Sopron is located in Western Hungary, a short distance from the Austrian border. It is only 80 km. away from the Vienna airport, by a hourly train connections to Sopron.

The highlights per day are:

Thursday evening 31 August: Welcome drinks starting in the Sopron mining museum, and continued in a pub in the old town of Sopron.



Friday morning 1 September: During the day, the events take place at the historical campus of the university. After the business meetings of the FEMP academic and industrial members, the event will be opened at 10:30. The theme of the morning session will be the Minitura 2020 project, which is a concept and methodology for the definition and subsequent protection of “mineral deposits of public importance” in order to ensure their “best use” in the future and to be included in a harmonised European framework, resulting in improved conditions for sustainable access to mineral deposits and supply of raw materials in the European Union.



Friday afternoon (optional program): After lunch, the best master theses will be awarded. The second half of the afternoon participants may join a guided tour through Sopron or join a beer with old friends at one of the many terraces in the old town.

Friday evening: Starts with drinks before dinner while meeting the sponsoring companies, of which many employ FEMP graduates. The rest of the social evening includes the buffet dinner.

Saturday 2 September offers a relaxed program with a biking tour on and around the Fertő Lake / Neusiedler See, closed off with a Barbecue. Details of the program can be found at the next page.



To keep the expenses for the participants at a reasonable level, FEMP takes care of part of the costs. Also FEMP is offering sponsorship possibilities for companies, individuals and groups of alumni, for 500 Euro per unit, which will of course give the sponsors exposure during the reunion. The sponsoring includes the following benefits:

- Company logo at the final documents for the reunion
- Logo at the posters with sponsor logo's
- Short pitch on Friday morning (see yellow below)
- Table for company information at the Meet and Greet event on Friday evening
- Free participation at all events on Thursday and Friday for 1 person.

Other options can be discussed with Ms. Antje Matthäus antje.matthaeus@rwth-aachen.de

MISCELLANEOUS INFORMATION

Websites and information

The website for the EMMEP program can be found at www.emmep.org. This site is dedicated to all educational issues of the EMMEP program. The website of FEMP (www.femp.org) gives information about the FEMP organization and the industrial, academic and alumni networks it maintains. Please join the FEMP Facebook page at:

<https://www.facebook.com/groups/1699280916999792/>.

FEMP Database

The FEMP database contains a/o the e-mail addresses of the 780 alumni and students. It is very encouraging to see that only some 50 addresses are missing. Please make sure if you change jobs, or if you graduate to change your e-mail address in case it is still a company or university address.



31.08	Location	Activity
17:00-18:30	University campus, Main building, Bajcsi-Zsilinszky u. 4.	Meeting FEMP Board + EMMEP academics
19:00 -21:00	Mining Museum, Templom u. 2.	Welcome drinks
21:00 -24:00	Pub in the area of the museum.	Welcome drinks (continued)
01.09	Location	Activity
9:30- 10:00	University campus, Mathematics building	FEMP industrial members Business Meeting (by invitation only)
10:00-10:30	University campus, Mathematics building	Coffee
10:30-12:30	University campus, Mathematics building	Welcome program
		10 minutes
		10 minutes
		15 minutes
		60 minutes
25 minutes		
12:30-13:30	Nyugat restaurant, Ady E. u. 5.	Lunch & Coffee
14:00-15:30	University campus, Mathematics building	Optional: Master Thesis Awards
16:00-18:00		Optional: Tour through Sopron
18:00-19:30	Faculty of Economics Building, Erzsébet u. 9.	Meet and greet the FEMP and reunion supporting companies
19:30-24:00	Faculty of Economics Building, Erzsébet u. 9.	Dinner Party
02.09	Outdoor program around Fertő Lake (Neusiedler See)	Activity
10:00		Depart from Sopron by bus to Fertőrákos
11:00		Depart from the Puskás biergarten by bikes
11:15-12:00		Visit to the Fertőrákos quarry
12:00-13:30		Bike to Rust city
15:00-16:30		Boattrip from Rust city to Fertőrákos pier
17:00-20:30		BBQ
20:30-21:00		Bus from Fertőrákos to Sopron

Recommended Hostels¹

Fekete Zoltán Hostel, Sopron, Ady E. u. 5., preferred hostel, located within the university campus

Room in an apartment (single room)	6500 HUF (c.a. 21 €) per room-per night, incl. breakfast
Room in an apartment (double room)	9100 HUF (c.a. 29 €) per room-per night, incl. breakfast
Apartment for 4 persons	16300 HUF (c.a. 53 €) per apartment-per night, incl. breakfast

University Hostel, Sopron, Baross u. 4-6, 15 minutes walking distance from the city center and university campus

Room in an apartment (single room)	6500 HUF (c.a. 21 €) per room-per night, incl. breakfast
Room in an apartment (double room)	9200 HUF (c.a. 30 €) per room-per night, incl. breakfast

¹ - **Reservation** by e-mail to the szallasfoglalas@uni-sopron.hu referring to the FEMP Reunion.

- **Payment:** during arrival at the reception by card or cash (HUF), or in advance by bank transfer. Bank transfer details: account number: IBAN: HU80 1040 4058 4957 5756 5453 1080; SWIFT code: OKHBHUHB
Payable to Universitas Fidelissima Kft., 9400 Sopron Ady Endre u. 5. tax number: 13893419-2-08.

Recommended Hotel²

Hotel Pannonia, Sopron, Várkerület u. 75

single room	from 60 € per room-per night, incl. breakfast
double room	from 75€ per room-per night, incl. breakfast

² - Rooms can be booked via www.pannoniahotel.com. Hotel gives a 10% discount compared to booking companies.

- Another 5% discount applies if the participants write into the PROMO code the "PARTNER2017" device during the booking process via their homepage. Participants are asked to write the "FEMP Reunion 2017" in the comment line.

Travel information to/from Sopron: <http://wikitravel.org/en/Sopron>

The registration form can be downloaded from: <http://www.femp.org/alumni/reunions>