

ImPACts

Industrial Methods for Process Analytical Chemistry - From Measurement Technologies to Information Systems

Programme: COMET – Competence Centers for Excellent Technologies

Programme line: K-Projects

COMET subproject, duration and type of project:
imPACts, 09/2014 – 08/2018, multi-firm

The scientific world visiting Austria

The partners within the national funded COMET K-Project named imPACts – standing for “Industrial methods for Process Analytical Chemistry” aim for scientific development and exchange in an internationally networked community. A clear sign for an intense international exchange are scientific conferences that bring together scientists from all over the world to discuss latest developments and share new ideas. The “imPACts”-network managed to gather more than 1.000 people from all over the world in Austria – a strong sign of the international visibility of the Austrian process analytical community.

ICAVS 8

International scientific conferences are a vital tool to maintain the contact and the professional exchange between groups of researchers dealing with similar topics and located all over the world.

One of those conferences is the ICAVS, the “International Conference on Advanced Vibrational Spectroscopy”, which is held every two years. Due to the well-established contacts of PAC – Key-Researchers from the Vienna University of Technology it was possible, to bring the 8th issue of the ICAVS conference to Vienna. Prof. Bernhard Lendl gathered round 650 scientists from international research groups at the Vienna Technical University from 12th to the 17th of July 2015.

This conference covers a set of topics, which are also key topics within the Austrian K-Project “imPACts”, which is funded in the national COMET-scheme and is embedded in the Austrian Research Network PAC for Process Analytical Chemistry (www.k-pac.at).

In such a conference, the main program consists of talks and poster presentations to discuss recent developments in the respective technological area. But definitely not less important are the breaks and the accompanying social program, which brings people together and gives the chance to discuss specific aspects of the latest scientific results and to make friends – in short: to build bridges for future work!

EMSLIBS 2015

Similar to ICAVS, there is another leading international conference with a different thematic focus, namely on elemental analytics based on a technology called LIBS – Laser-Induced Breakdown Spectroscopy. The Key Researchers in the PAC-network dealing with this technique are Prof. Johannes D. Pedarnig and Prof. Johannes Heitz from the Johannes Kepler University (JKU) Linz.

They brought the EMSLIBS 2015 (the Euro-Mediterranean Symposium on Laser Induced Breakdown Spectroscopy) to Linz. And with this event round 250 scientist from all continents,

discussing the new developments and perspectives in their fields of work from 14th to 18th September 2015.



Fig. 1: The participants of EMSLIBS 2015 at the lake at Johannes Kepler University Linz.
© JKU-IAP



11th Colloquium for Process Analytics

On December 1st and 2nd, 2015 around 130 representatives from science and industry came to join the 11th Colloquium for Process Analytics taking place at the Vienna University of Technology. This year's event with the thematic focus "From Sensor to Process Intelligence" was hosted by Prof. Christoph Herwig, a recognized expert for bioanalytical engineering. The colloquium covered many aspects that are investigated within "imPACts", resulting in many fruitful discussion on the common topic of process analysis. The "imPACts"-consortium was represented both by two scientific talks and six poster presentations.



Impact and effects

Every time when a research group succeeds to bring an international conference to their venue this is a great success with many dimen-

sions. The scientific aspects shall be obvious; the reputation in the scientific community are another issue; touristic effects, presenting your own hometown and country in the best possible light to international guests is a third aspect. The participants of ICAVS will talk about the 2015-conference again in Canada in 2017. The next EMSLIBS will bring stories from Linz to Pisa in 2017 and the Colloquium for Process Analytics from Linz to Berlin in 2016. In both cases we are sure, that all participants will remember Austria, the country, the people, the research and the PAC-network as great hosts and as outstanding experts.



Fig. 2: PAC members representing imPACts at the ICAVS 8 (at the dedicated imPACts-session embedded in the six-day conference) in Vienna.
© TU Wien

Together with other conferences thematically linked to imPACts (like the "Optical Coherence Tomography for Non-Destructive Testing" conference - OCT4NDT 2017 and the "Laser Ultrasound" - LU2016, organized by RECENDT in Linz) more than 1.000 scientists will have been guests of the PAC-research network in Austria and will spread the word to the next conferences and to their homes.

Contact and information

K-Project imPACts

RECENDT – Research Center for Non Destructive Testing
Altenberger Straße 69, 4040 Linz
T 0732 / 2468 - 4602

E robert.holzer@recendt.at www.k-pac.at www.recendt.at

Project coordinator
Robert Holzer

Project partners

Organisation	Country
Vienna Technical University	Austria
Johannes Kepler University Linz	Austria
RECENDT GmbH	Austria

Further information on COMET – Competence Centers for Excellent Technologies: www.ffg.at/comet

This success story was provided by the consortium leader/centre management for the purpose of being published on the FFG website. FFG does not take responsibility for the accuracy, completeness and the currentness of the information stated.