



## PAC

### Process Analytical Chemistry - Data Acquisition and Data Processing

<b>Main location</b>	Linz (Upper Austria)
<b>Other locations</b>	Kundl (Tirol), Salzburg, Lenzing (Upper Austria), Krems (Lower Austria), Vienna
<b>Thematic field</b>	Gaining valid chemical information directly from the process streams of chemical and biochemical industry, inline and in real-time.

#### Success story summary

##### PAC being successful and recognized

During the years of PAC, the consortium, established in 2010, already succeeded to be recognized as "The Austrian Research Network for Process Analytical Technologies". Through various activities and by bundling all the single excellent researchers under the brand "PAC", recognition also beyond Austria could be achieved. Individual successes of researchers were positively associated with PAC and PAC also made new successes and new contacts and opportunities for individual researchers and research groups possible.

#### Success story

The "Austrian Research Network for Process Analytical Technologies – PAC" is already known by many people working in this field, also from abroad. This is a clear success for the still young network, and there are a couple of reasons for this:

- the **scientific presence** of PAC – presented through excellent researchers – at many international conferences and in relevant publications;
- the **involvement in the organization of and the presence at events** (Kolloquium AK Prozessanalytik 2011 in Linz, PAC-Schools, PAC-Talks with various speakers, GÖCH Chemietage, IIR Workshop 2013, Kolloquium Prozessanalytik 2013 in Ludwigshafen, IRDG-Spring Meeting 2014 in Vienna, EuroPACT 2014 Barcelona, ÖGMBT Meeting 2014 Vienna, Research & Technology at the Hannover Messe trade fair, Control trade show Stuttgart, Kepler Salon Linz, Lange Nacht der Forschung);
- the **outstanding level of excellence of the PAC-researchers**, leading to various **awards** – which in turn are bringing reputation for PAC (OGMA-Award 2010 Jürgen Kasberger, Mercur Award 2010 QuantaRed, ICAVS Poster Award 2011 Georg Ramer, FACSS Innovation Award 2011 Cosima Koch, AK Prozessanalytik Poster Award 2011 Stefan Clara, IRDG Poster Award 2012 Markus Brandstetter, ASAC Best Oral Presentation Award 2013 Cosima Koch, ICAVS Posteraward 2013 Cosima Koch).

The reputation of PAC was recently shown in a slightly different form too: Carlos Cernuda García, a mathematician working for PAC-partner FLLL and developing innovative chemometric methods has been amongst just 100 invited mathematicians from all around the world to join the highly prestigious "2nd Heidelberg Laureate Forum" (September 2014). These 100 nominations are made upon the evaluation of the researcher's publication track record and the relevance of their research.

This success for Dr. Cernuda was made possible through his work in the PAC network and it showed, that the work in PAC, dealing with mathematics and chemometrics is recognized also in the Computer Science and Mathematics community. In turn such events bring numerous possibilities to establish new valuable contacts for the network and to further promote the network in the international community.

#### Impact and effects

The fact, that already now, the Austrian Research Network PAC is recognized, accepted and appreciated, is a good starting position for the further development. Such is expected in a) a long-term cooperation in the network and b) in playing a growing role in the international community.

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