

Press Release November 2016

A tri-national cooperation takes surface characterization of powders and fibers by Inverse Gas Chromatography (IGC) to new heights

The three companies Adscientis (France), Inolytix (Switzerland) and Porotec (Germany) have been collaborating since October 2016 with a view to launching a new fully automated instrument on the market in 2017. Together, they combine all the expertise needed to develop a really industry-oriented, efficient and highly significant instrument for Inverse Gas Chromatography (IGC) - the next generation setting new standards got industry. Adscientis brings specific IGC experience to the venture, while Porotec is a reliable partner for sales, maintenance and development of instruments and Inolytix is a dynamic startup offering innovative analytical techniques to industries.

Eric Brendlé, CEO of Adscientis: "It is great to bring all this experience together in this cooperation. It has always been my dream to use my experience to develop a new instrument, and together we can do this . IGC4.0 will be a new standard on the market." Adscientis, Porotec and Inolytix share the same passion for scientifically sound solutions, real insights into material properties and industry-oriented service.

Surface characterization of powders, fibers and porous materials today is still very tricky. But with a technique known as inverse gas chromatography (IGC) it is possible to detect the real interface properties by pulsing many different gases through a sample. In this highly quantitative way, values such as dispersive surface energy, nano-roughness, polarity and acid/base constants can be derived and surface energy distributions can be analyzed.

Adscientis and its CEO Eric Brendlé have 16 years of experience serving the industry with IGC, and many hundreds of projects with industrial partners have been performed. Now it is time to accelerate the development, combining the experience of all three partners and coming up with an innovative generation of smart, fully automated IGC instruments and solutions .

Adscientis, Wittelsheim (France) - Adscientis is recognized as a reliable IGC specialist. The company provides services as well as a broad set of skills and know-how on IGC techniques for the characterization of materials. The smart and easy way of analyzing and characterizing surfaces offers a large range of opportunities in the development of all materials and consequently a sustainable added value in the R&D departments. Adscientis provides a lot more by measuring surface occurrences with molecular probes . Different probes allow the recognition of different characters and a complete description of the full potential of the material concerned. Tailoring the new surface properties facilitates numerous developments and new products in many industrial segments. Adscientis has developed a set of advanced solutions offering many benefits and advantages. They will be described and explained during dedicated events to come and also in specific papers and articles.

Porotec, Hofheim am Taunus (Germany) - Porotec is a German company which offers a broad range of innovative scientific instruments in many countries. Their know-how, experience and expertise in the characterization of particles and porous materials have already satisfied the highest demands in many fields, including quality control aspects in new industrial & international standards. The company is heavily focused on listening to customers, and its orientation is quite similar to that of Adscientis. Dr. Jürgen Adolphs, the CEO of Porotec, is constantly seeking to provide active support to customers through innovations that offer added value, starting with consulting and training to clarify the specific analytical approach for characterizing porous materials and other materials.

Inolytix, Aargau (Switzerland) - Inolytix is a startup launched in 2014 with the focus on accelerating product development for the chemical industry. Through new and innovative analytical methods delivered by reliable and experienced partners such as Adscientis, Inolytix offers a customer-friendly service for R&D departments: providing the customer with a single contact point and access to different analytical methods, Inolytix manages the whole process from quotation to the industry-oriented report on the results.



From left: Dr. Ralf Dümpelmann (Inolytix, CH), Dr. Eric Brendle (Adscientis, F), Dr. Jürgen Adolphs (Porotec, G)

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