

## CHIMIA REPORT/COMPANY NEWS

Firmen stellen sich und ihre Produkte vor

Companies present themselves and their products

Beiträge bitte direkt an: SIGWERB GmbH, Unter Altstadt 10, CH-6301 Zug, info@sigwerb.com

Please contact: SIGWERB GmbH, Unter Altstadt 10, CH-6301 Zug, info@sigwerb.com

### New Flow Meter for Compressed Air and Gases



Flow meter for compressed air and gases from E+E Elektronik GmbH

Only by knowing your exact compressed air and process gas costs will you be able to unearth significant savings potentials. Irrespective of pressure and temperature, the EE771 flow meter from E+E

Elektronik measures mass flow or volumetric flow in your supply system with the greatest accuracy. The flow meter can be used effectively to measure the consumption of compressed air, nitrogen,

helium, argon, oxygen or other non-corrosive gases.

The design of the new EE771 flow meter is based on the direct thermal mass flow measuring principle. At its heart is an E+E hot-film sensor element proven over several million installations in the automotive industry.

The large 400:1 measuring range ensures precise evaluation throughout the supply system. Even the smallest volumetric flow rates are accurately recorded – an essential prerequisite whether you are calculating usage fees or finding leaks.

The unique mounting concept in combination with a ball valve permits rapid installation and removal of the device that remains operational at all times.

That the measuring head can be exchanged in seconds without disconnecting the measuring line is another useful feature for periodic recalibration.

The integrated USB interface allows the customer to easily adapt the flow meter to specific measuring tasks.

Two outputs are available. They can be configured either as analogue outputs (current or voltage), switching outputs or pulse outputs for measuring consumption. The flowmeter requires 18-30VAC/DC power.

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www.epluse.com

# ETH

Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zurich

## Professor of Computer-Aided Chemistry

The Laboratory of Physical Chemistry of the Department of Chemistry and Applied Biosciences at ETH Zurich ([www.chab.ethz.ch](http://www.chab.ethz.ch)) invites applications for above mentioned position.

Research is done preferably in the area of modeling the behavior of (bio)chemical systems at the atomic, molecular, and supramolecular level on a physico-chemical basis. Strong methodological, algorithmic, and computational activities, including practical applications, are desirable. Collaboration with experimental groups at ETH as well as teaching in all areas of physical and computer-aided chemistry is encouraged. The new professor will be expected to teach undergraduate level courses (German or English) and graduate level courses (English).

Please address your application together with a curriculum vitae and a list of publications **to the President of ETH Zurich, Prof. Dr. Ralph Eichler, no later than March 15, 2011.** With a view towards increasing the number of female professors, ETH Zurich specifically encourages qualified female candidates to apply. **In order to apply for this position, please visit: [www.facultyaffairs.ethz.ch](http://www.facultyaffairs.ethz.ch)**

## TitrIC – Umfassende Trinkwasseranalysen mit einzigartigem Komplettsystem



TitrIC von Metrohm ist ein flexibles System, das die Vorteile der Direktmessung von pH-Wert und Leitfähigkeit, der Titration und der Ionenchromatographie in einem einzigartigen System vereint. Alle ionischen Bestandteile der Wasserprobe werden sicher, schnell und reproduzierbar bestimmt. Die Ergebnisse werden in der integrierten Datenbank gespeichert und lassen sich zu einem gemeinsamen Report verarbeiten. Detailinformationen und Applikationsbeispiele liefert ein technisches Poster.

Die intelligente Steuerung von TitrIC garantiert den sicheren Ablauf der Analysen rund um die Uhr. Bis zu 100 Proben können voll automatisch bestimmt werden. Dies reduziert den Zeitaufwand und erhöht die Präzision der Messergebnisse.

Besonderes Augenmerk wird auf geringen Platzbedarf ge-

legt. Die Synergien zwischen Titration, Direktmessung und Ionenchromatographie zählen sich aus. Alle Methoden verwenden dieselben Liquid-Handling-Elemente und einen gemeinsamen Probenwechsler. Das spart Platz und Kosten, einen schnelle Amortisierung ist garantiert.

TitrIC lässt sich an die analytische Aufgabe anpassen. Die Methoden und Abläufe lassen sich je nachdem, welche Parameter von Interesse sind, frei miteinander kombinieren. TitrIC hat sich unter anderem auch in der pharmazeutischen Analytik, der Lebensmittelanalytik und der Umweltanalytik bewährt.

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The Nestlé Group is the World's leading Nutrition, Health and Wellness Company. Nestlé Product Technology Centre in Orbe is the leading Nestlé Coffee, Beverages and Cereals Competence Centre that develops products, production processes and delivery systems for in-home and out-of-home. It also provides technical assistance to the Nestlé factories.

To complete our Science & Nutrition department, we are currently looking for a:

### SENIOR LABORATORY TECHNICIAN

#### DOMAIN OF ACTIVITIES

Instrumental analysis of aroma and taste components in all products developed at Nestlé PTC Orbe (i.e. coffee, beverages, cereals). Emphasis is given to support of & research into aroma release phenomena and olfactometry using emerging analytical techniques.

#### MAIN RESPONSABILITIES

- Organize, plan and perform analyses of complex flavors (aroma & taste) using state of the art and emerging analytical techniques (GC/MS, GCxGC-TOFMS, GC/MS/Olfactometry and LC/MS).
- Develop as technical expert in the field of aroma release measurements & dynamic Olfactometry using techniques such as PTR-MS and Olfactometry.
- Manage functionality of technical equipment and laboratory products/material; act as technical expert as well as point of contact with suppliers.
- Consolidate analytical results using sophisticated software, summarise main findings and conclusions and prepare draft versions of reports and presentations (technical part, in English language).
- Interact with scientists & project leaders on a technical level (e.g. participate in PP trials and supervise sampling, acquire good knowledge of products and processes; implement rapid tools).
- Contribute to/comply with laboratory safety principles, workstreams and GLP.
- Develop/optimize new analytical techniques and methods.
- Supervision of apprentices & training of junior technicians in analytical techniques.

#### EDUCATION & EXPERIENCES REQUIRED

- CFC in chemistry or physics.
- A minimum of 3 years work experience
- Sound practical experience with various analytical techniques mentioned above (a.o. GC/MS, PTR-MS); excellent knowledge of functionality & theory of such technical equipment.
- Very good knowledge of software programs & statistical tools related to instrumental analysis and data consolidation (e.g. HP-Chem, Xcalibur, and Excel).
- Experience in the analysis of aroma and/or taste compounds is an asset.
- Fluent in French & English language.

#### SPECIFIC SKILLS

- Good team player, proactive and flexible.
- Good analytical thinking and results focus; eye for details.
- Ability to organize and perform work in an autonomous manner.

If you believe you have the profile we are looking for and are interested in this opportunity, please apply directly on our website [www.careers.nestle.com](http://www.careers.nestle.com), Requisition ID: 8265.

We look forward to hearing from you!

If you believe you have the profile we are looking for and are interested in this opportunity, please apply directly on our website [www.careers.nestle.com](http://www.careers.nestle.com), Requisition ID: 8265.

We look forward to hearing from you!

Good Food, Good Life



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and

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GSASA	Ges. Schweiz. Amts- und Spitalapotheker
SACC	Schweiz. Arbeitsgemeinschaft für Computerchemie
SGLUC	Schweiz. Ges. für Lebensmittel- und Umweltchemie
SGMS	Schweiz. Gruppe für Massenspektrometrie
VSN	Verein Schweiz. Naturwissenschaftslehrerinnen und -lehrer

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