

mAm 2018 - The Micronarc Annual Meeting, 9^e édition

Dans la continuité du succès des huit premières éditions, le "Micronarc Alpine Meeting 2018" se concentrera sur les équipements et les processus et technologies innovants pour la fabrication de micro-produits. Conférences de haute niveau et réseautage sont au programme dans les Alpes suisses.

Ces deux jours de conférence sont l'occasion de stimuler les échanges et les discussions, dans l'ambiance conviviale du charmant village de Villars, station de ski située à 1250 mètres d'altitude dans les Alpes suisses. Le programme sera animé par des intervenants de premier plan. L'événement est une nouvelle fois co-organisé avec Mancef (www.mancef.org).

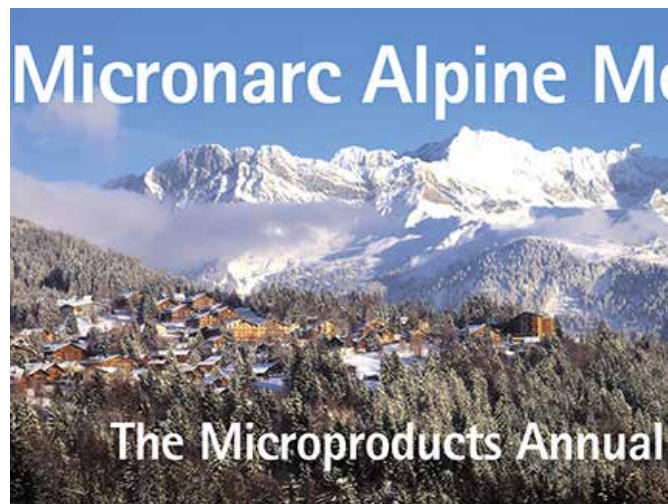
La conférence internationale se déroulera sous forme de sessions uniques (pas de sessions en parallèle) et offrira aux participants un excellent aperçu des technologies de pointe pour la micro-fabrication. La limitation du nombre de participants (max. 100) issus du monde industriel et académique garantit un réseautage de qualité et des débats stimulants durant deux jours. Par ailleurs, la situation idyllique de la station alpine de Villars contribue à l'atmosphère détendue de cette rencontre.

Cet événement a reçu des échos très favorables de la part des participants des éditions précédentes, particulièrement en ce qui concerne la qualité des intervenants, le lieu exceptionnel et le nombre relativement limité de participants. Les conférences se déroulent en anglais.

Une exposition commerciale destinée aux entreprises souhaitant augmenter leur visibilité et présenter leurs produits durant mAm 2018 se tiendra parallèlement aux conférences. Tous les détails ainsi que le formulaire d'inscription sont disponibles sur le site internet, www.mam2018.ch/exhibition.

Seul un nombre limité de participants pourront prendre part à cet événement. Ne le manquez pas!

- Les inscriptions sont ouvertes sous: www.mam2018.ch/registration
- De plus amples informations, y-compris le programme technique à jour sont à disposition sur le site de la manifestation, www.mam2018.ch



A savoir

Les microsystèmes sont désormais entrés dans l'ère d'une production de masse destinée aux applications de consommation courante telles que les téléphones mobiles, les techniques d'information et de communication ou les dispositifs médicaux jetables. Les enjeux liés à cette production sont d'un grand intérêt pour les fabricants. Cela concerne d'une part l'outillage destiné à la production en grand volume de pièces de précision, d'autre part la création de lignes de production automatisées extrêmement efficaces et fiables et de systèmes de test pour les micro-produits. Il existe un marché à croissance rapide pour de tels composants et produits.

ENGLISH

mAm 2018 – The Microproducts Annual Meeting, 9th edition

Following in the success of the first 8 editions, The Micronarc Alpine Meeting 2018 will continue its focus on equipment and innovative processes and technologies for manufacturing microproducts. High-level talks and networking in the Swiss Alps.

This 2 day technical conference is a proven venue for stimulating networking and discussions in the casual atmosphere of Villars, a charming village and ski resort located at 1250 meters of altitude in the Swiss Alps. A selection of first-class invited speakers will comprise the program. The event is once again co-organised with MANCEF (www.mancef.org).



mAm 2018 program



Sunday 4 February 2018

- 18:00 Registration open
Welcome drink in the hotel lobby (dinner afterwards on your own)

Monday 5 February 2018

- 09:00 Welcome
Danick Bionda, Secretary General, Micronarc
Prof. Dr. Volker Saile, Karlsruhe Institute of Technology, President, Mancef
David Kappeler, Office for Economic Affairs, Canton of Vaud

- 09:30 Invited Keynote on the Future of Micro-manufacturing I
Chair: Prof. Volker Saile, Mancef; KIT
Prof. Philippe Renaud, Microsystems Laboratory 4, EPFL (Switzerland)
Title to be confirmed

- 10:15 Coffee and exhibition visit

- 10:45 Micro-manufacturing Applications I – Watchmaking
Chair: Philippe Fischer, FSRM
Keynote: Thomas Mercier, R&D Scientist / Project Manager, Tag Heuer (Switzerland)
Title to be confirmed

Dr. Dominique Solignac, IcoFlex SA (Switzerland)
Title to be confirmed

3rd speaker to be confirmed

2 x Exhibitor elevator pitch (3 min)
To be confirmed

- 12:00 Lunch in the hotel

- 13:35 Micro-manufacturing Applications II – Medtech
Prof. Dr. Andre Bernard, Institut für Mikro- und Nanotechnologie MNT, NTB Buchs (Switzerland)
Microfluidic device to model microvascular obstructions in heart attack patients

2 other speakers to be confirmed

Exhibitor elevator pitches (3 min) to be confirmed

- 15:30 Coffee and exhibition visit

The international conference comprises a single track of sessions (no parallel sessions), providing participants with an excellent overview of cutting-edge micro-manufacturing technologies. The limited number of participants (~ 100 max), from both industry and academia, is an ideal number for quality networking and stimulating discussions over 2 days. Furthermore, the idyllic setting in the Alpine ski-station of Villars in the Canton of Vaud simply adds to the relaxed atmosphere of the meeting.

The event has received excellent feedback from past participants, notably for the quality of the speakers, the excellent venue and relatively low number of participants. The presentation language is english.

As usual, a table-top exhibition will be held in parallel to the speaking program. Interested in exhibiting and increasing the visibility of your company? See www.mam2018.ch/exhibition for complete details and a booking form.

A limited number of participants will be able to attend the event. Don't miss it!

- Registration are open at: www.mam2018.ch/registration
- More information, including the technical program, is available on the conference web site: www.mam2018.ch

Background

Microsystems have now entered the age of high volume production for consumer applications, especially mobile phones, ICT and medical disposable devices. The issues associated with the production of these are of continued interest to manufacturers. These include tooling in high volume fabrication of precision parts, making highly efficient and reliable automated assembly lines and test systems for microproducts. There is a fast growing market for such components and products.

mAm 2018



- 16:00 Sensors
Chair: Dr. Sebastian Gautsch, EPFL
Keynote: Benedetto Vigna, President, Analog, MEMS & Sensors Group, ST Micro electronics (Italy/Switzerland)
The next opportunity for MEMS: from the consumer market to high volume automotive and industrial markets
Michele Palmieri, Vice President - Micro & Nano Systems Division, CSEM SA (Switzerland)
Title to be confirmed
Vincenzo Sacco, Global Functional Safety Manager, Melexis Technologies SA (Switzerland)
Functional Safety in automotive sensors
- Exhibitor elevator pitch (3 min)
to be confirmed
- 17:30 Adjourn for the day
- 19:00 Conference Dinner ~ Meet in hotel lobby at 19:00
- 13:30 Novel Manufacturing – Printing
Keynote: Bastian E. Rapp, NeptunLab, KIT (Germany)
Title to be confirmed
Dr. Sébastien Lani CSEM (Switzerland)
Additive Manufacturing: Moving to smaller and smarter components.
- 3rd speaker to be confirmed
- 15:15 Coffee and exhibition
- 15:45 Invited Keynote on the Future of Micro-manufacturing III
Dr. André Kretschmann, Robert Bosch GmbH (Germany)
Title to be confirmed
- 16:15 Final Remarks
Prof. Dr. Volker Saile, Karlsruhe Institute of Technology (Germany), President, Manceff Danick Bionda, Secretary General, Micronarc
- 16:30 Conference adjourns
Farewell reception in hotel lobby

Tuesday 6 February 2018

- 09:00 Invited Keynote on the Future of Micro-manufacturing II
Prof. Dr. Harald Giessen, University of Stuttgart, 4th Physics Institute (Germany).
Complex micro-optics by femtosecond 3D Printing
- 09:45 Coffee and exhibition
- 10:15 Energy Systems for Microproducts
Program to be confirmed
- Exhibitor elevator pitches (3 min)
to be confirmed
- 11:45 Lunch in the hotel

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