

## **EPHJ-EPMT International Fair 2010. Scientists, guests of honor.**

**Beaulieu Lausanne, June 8 - 11, 2010. While the rate of booking space exceeds the total area of the 2009 edition, the EPHJ-EPMT fair will be hosting a quota of scientists allowing exchanges of the highest order: conferences initiated by EPFL, Swisslaser.net and Micronarc-Alliance.**

### **Research: Laboratory automation.**

The scientific days whose program adds to the attractiveness of EPHJ-EPMT and participates in its international influence, are now an unmissable appointment. Under the aegis of the EPFL, *Ecole Polytechnique Fédérale de Lausanne*, the afternoon of Tuesday, June 8 and the morning of Wednesday, June 9, are placed under the central theme of «*Research and applications in laboratory automation.*»

### **Laser and Photonics.**

Supported by the Swiss Agency for the promotion of innovation (CTI), a federal structure encouraging for more than 60 years the transfer of knowledge and technology between universities and businesses/firms, Swisslaser.net is the second conference organizer on the agenda of the EPHJ-EPMT scientific days. During the morning of Thursday, June 10, 2010, leading experts from this universe so implemented in the machinery equipment of companies that are active in the professional environments of watchmaking-jewelry and microtechnology, will meet the expectations of audiences who wish to explore the topic «*Laser and Photonics.*»

### **Counterfeiting and micro-assembly factories, colloquiums**

In collaboration with Micronarc, Micro-nanotech Cluster of Western Switzerland, and with the liaison program Alliance, a platform bringing together 6,000 researchers from all universities in French-speaking Switzerland and Ticino, the afternoon of Thursday, June 10 will be followed by an array of leading authorities in both the legal approach to the problem of counterfeiting and in terms of new technologies used to fight against this scourge. As a bonus, concrete solutions will emerge, with Prooftag, the 'bubbles' option chosen by the Parmigiani manufacture, or the path of micro- and nano-structured footprints developed by the CSEM, *Swiss Center for Electronics and Microtechnology*. Not to mention the solutions *Global Security Solutions* advocated by U-NICA.

On Friday, June 11, in the morning, Micronarc, this time in collaboration with DTF (DeskTop Factory), will address the question of assembly in micro-factories with the participation of several scientists coming specially from Japan.

*Comm./TàG - {2'463 signes}*

**Photos 1 à 5 (credits: Swisslaser.net):** Lasers in action, models of cuts...

**Poster visual (credits: Micronarc Alliance):** Poster of the conference on counterfeit watchmaking.

***Growth in the number of exhibitors:*** *the redevelopment of the surfaces of the Palais de Beaulieu, made possible in 2010 with the investiture of a single building by both sectors "EPJH-watchmaking-jewelry" and "EPMT-microtechnology" stimulated the arrival of new exhibitors who were on waiting lists. The growth of reservations should again accelerate before June, especially since the new configuration still offers opportunities. +41 22 798 4595*

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From June 8 to 11, 2010. [www.epmt.ch](http://www.epmt.ch) - [www.ephj.ch](http://www.ephj.ch)

Information: Olivier Saenger, organizing committee.

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## Scientific days program.

### «Research and applications in laboratory automation»

EPFL, Ecole Polytechnique Fédérale de Lausanne

#### Tuesday, June 8, 2010, afternoon (2 pm to 5.15 pm)

14h00-14h25	30 years of success story in Lab Automation	P. Ryser (Tecan)
14h25-14h50	Conception d'équipements pharmaceutiques automatisés - outils et exemples	D. Bubendorf (Sysmlec)
14h50-15h15	New approach to sample preparation	P. Zucchelli (SpinX Technologies)
15h15-16h00	<b>Café, networking</b>	
16h00-16h25	High throughput screening for drug discovery	(Novartis)
16h25-16h50	Liquid Handling in a Hospital	C. Andre (CHUV)
16h50-17h15	New Air Pipetting System Seyonic, M. Boillat	M. Boillat (Seyonic)

#### Wednesday, June 9, 2010, morning (9.45 am to 2.30 pm)

09h45-10h10	Microfluidics and liquid handling for Labautomation	H. Knapp (CSEM)
10h20-10h45	Optical detection methods in lifescience	A. Krutzenbichler (Tecan)
10h55-11h20	Labelfree detection for lifescience applications	M. Wiki (Dynetix)
11h20-11h35	<b>Café, networking</b>	
11h35-12h00	Laser Tweezers for microfluidic applications	Prof. R. Salathe (EPFL)
12h10-12h35	Microfluidics - "hype or business"	St. Follonier (CSEM)
12h45-13h10	Toolpoint a approach to standardization	D. Speidel (Xerionics)
13h15-14h30	<b>Lunch, networking</b>	

### «Lasers and Photonics» Swisslaser.net

#### Thursday, June 10, 2010, morning (9.30 am to 1.30 pm)

09h30-10h00	<b>Accueil café</b>	
10h00-10h10	Introduction	Dr. Christoph Harder (Swisslaser.ch)
10h10-10h40	Precision fibre-laser beam sources for marking, engraving and micromachining	Dr. Steve Norman (SPI Lasers UK Ltd)
10h40-11h00	Precision cutting and grooving with the Laser MicroJet	Dr. Alexandre Pauchard (Synova SA)
11h00-11h20	Lasers pour applications de micro-usinage	Marcel Dubey (GMP SA)
11h20-11h40	La gravure laser dans l'horlogerie	Joachim Vogt (Rofin-Baasel Swiss AG)
11h40-12h00	<b>Café, networking</b>	
12h00-12h30	Potentiel du Laser Picoseconde pour le micro-usinage	Noemie Dury (Lasag AG)
12h30-12h50	Power, flexible and cost-effective picosecond lasers for industrial micromachining applications	Dr. Kurt Weingarten (Time-Bandwidth Products AG)
12h50-13h10	Mikrofügen mit Faserlasern und neuen Strahlquellen	Dr. Arnold Gillner (ILT Aachen)
13h10-13h30	Real-world applications of intense light matter interaction beyond the scope of classical micromachining	Dr. Lukas Krainer (Onefive GmbH)

**«Counterfeiter! Colloquium on counterfeiting»  
Micronarc –Alliance**

**Thursday, June 10, 2010**, afternoon (2 pm to 5 pm)

14h00-14h05	<b>Accueil et introduction</b>	Vincent Rivier, Président du Comité d'experts (Micronarc)
14h05-14h25	Contrefaçon de montres suisses : dimension du problème, stratégie de lutte, moyens d'action	Michel Arnoux, (Fédération Horlogère Suisse)
14h25-14h45	Contrefaçons de montres et bijoux : contrôle des métaux précieux (CMP), collaboration Douane-FH	Daniel Monney (Douanes, Administration Fédérale)
14h45-15h05	Aspects juridiques de la contrefaçon	M. Merlotti (Cabinet juridique)
15h05-15h15	Questions-réponses	
15h15-15h35	<b>Pause au stand Micronarc</b>	
15h35-15h40	Introduction	Dr. Roland Luthier, Dir. Programme de liaison Alliance
15h40-16h10	Exemple de système d'authentification par reconnaissance visuelle. Manufacture Parmigiani	Jean-Marc Jacot (CEO) et Pierre-Yves Grether (Produit)
16h10-16h30	Empreintes micro- et nano-structurées comme nouveau système d'authentification	Raphaël Pugin (CSEM)
16h30-16h50	U-NICA : Global Security Solutions (en anglais)	Matti Laakso CSO de U-NICA International AG
16h50-17h00	Question-réponses	
17h00-18h00	<b>Apéritif au Stand Micronarc</b>	

Inscriptions sur le site: [www.micronarc.ch](http://www.micronarc.ch)

**«Assembly in micro-factories»  
Micronarc –DTF**

**Friday, June 11, 2010**, morning (10 am to 5 pm)

10h00-10h10	<b>Accueil</b> Micronarc <b>Présentation DTF</b> National Institute of Advanced Industrial Science and Technology (AIST)	Edward Byrne, Chef de projet Dr. Yuichi Okazaki
10h10-10h15	Introduction	Raphael Holzer, (JETRO Liaison, CEO CreativeStudio)
10h15-10h30	Nifty solution : desk-top micro-forming machine	Masahiko Hiraide (CEO de Hiraide Precision Co. Ltd)
10h30-10h45	Cost & performance: advantages of desk-top pick & place and positioning robot with unique axes configuration	Yasuichi Ojima General Manager R&D (KEC Corp.)
10h45-11h00	Affordable prototyping: nano inprinting machine with a desktop UV inprinting cell.	Masumi Yanagisawa (CEO Engineering System Co Ltd)
11h00-11h15	Feeding and conditioning of miniature parts	Alain Codourey (CEO Asyрил)
11h15-11h30	Questions, Discussion	
11h30-12h00	<b>Pause au stand Micronarc</b>	
12h00-12h15	Saving spaces: Desktop production cell with coupled machining centre and lathe (focus on flexible production system with patented workpiece transfer technology)	Tsuyoshi Ogawa, Deputy General Manager, R&D Centre Toyo Seiki Kogyo Co., Ltd
12h15-12h30	High precision manipulators for scientific instrumentation, (Section Head Mechatronics, Systems Division)	Dr. Jean-Marc Breguet (CSEM SA)
12h30-12h45	Art of production engineering: 1 desktop platform + multiple peripheries for 7 different machining processes	Chiaki Endo (DG Manager R&D Multi Pro 3)
12h45-13h00	Discussion, conclusion	
13h00	<b>Apéritif au stand Micronarc</b>	

Inscriptions sur le site: [www.micronarc.ch](http://www.micronarc.ch)

Reference sites

CTI Agency > <http://www.bbt.admin.ch/kti/index.html?lang=fr>

EPFL > <http://www.epfl.ch/index.fr.html>

Swisslaser.net > <http://www.swisslaser.net/home.html>

Micronarc > <http://www.micronarc.ch/>

Alliance > <http://www.alliance-tt.ch>

## List of speakers and contributors

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