

# APPLICATION

## SYSTEMS INTEGRATION 2015

### Printed Electronics, Printed Diagnostics, 3D Printing

Please send the fax reply form to Ms. Orkide Karasu:  
+49 (0) 231 / 97 42 - 150

**Hereby, I register for SYSTEMS INTEGRATION (June 9-10)**

The conference fee is 499,00 € if you register until April 24, 2015. The fee for registrations that reach us later is 549,00 €. This conference fee contains digital conference materials, drinks and snacks (dinner not included) and an administration fee.

**I am member of IVAM or VTT and register as participant for SYSTEMS INTEGRATION (June 9-10)**

The conference fee is 449,00 € if you register until April 24, 2015. The fee for registrations that reach us later is 499,00 €. The conference fee already contains the costs of drinks and snacks (dinner not included).

**I would like to attend the self-paid get-together-dinner on the evening of June 9, 2015** (Location details will be provided after application.)

Every further participant from the same company or institute will benefit from a discount of 50,00 €.

\_\_\_\_\_  
**Name, surname**

\_\_\_\_\_  
**Company**

\_\_\_\_\_  
**Address (for invoice)**

\_\_\_\_\_  
**Phone** **Fax**

\_\_\_\_\_  
**Email**

\_\_\_\_\_  
**Date, signature**

All prices plus 19 % VAT. The invoice will be sent after registration. In case of cancellation of participation up to May 20, 2015, a cancellation fee of 50,00 € will be charged. Starting May 21, 2015, the full price will be charged. Of course, naming a replacement participant at any time and at no additional cost is possible.

IVAM reserves the right to take photos and videos during this event. IVAM will use it for documentation, advertising purposes and press campaigns. It is possible that participants/exhibitors/presenters will appear clearly recognizable on photos/videos used by IVAM. By accepting our terms and conditions, you agree to the described usage. If you do not agree, please inform IVAM before the event starts. Thank you.

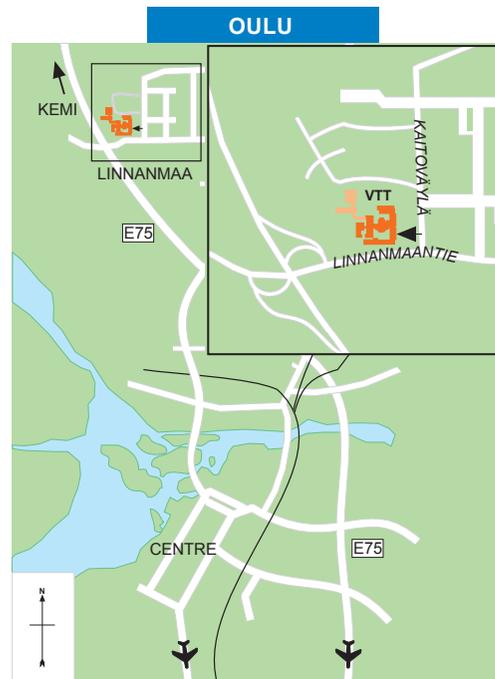
# GETTING THERE

VTT Technical Research  
Centre of Finland

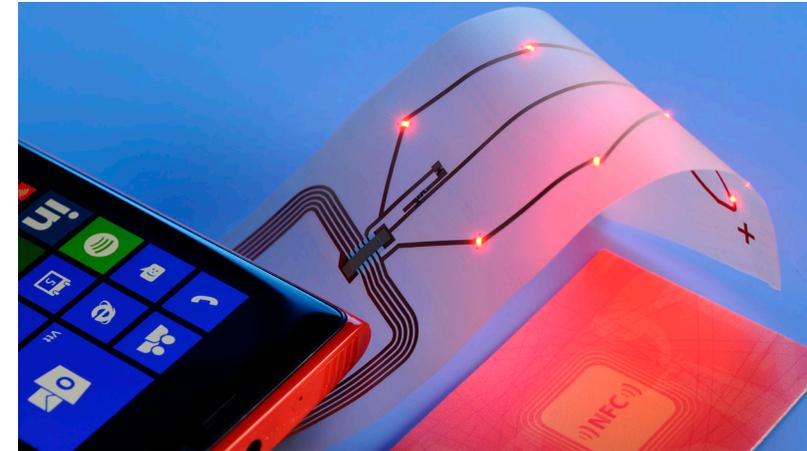
Kaitoväylä 1  
90571 OULU  
Finland

### About VTT

VTT Technical Research Centre of Finland develops micro- and nanoelectronics, MEMS-technology, photonics and electronics packaging. VTT's expertise covers CMOS-compatible MEMS process, SOI technology, micro- and nanophotonics. VTT has expertise in hermetic encapsulation, polymer and ceramic 3D and wafer scale packaging. VTT develops R2R electronics and optics printing.



Oulu's facilities: *Kaitoväylä 1*



Source: VTT Technical Research Centre of Finland

**SYSTEMS INTEGRATION**  
JUNE 9 -10, 2015

**Printed Electronics**  
**Printed Diagnostics**  
**3D-Printing**



**SYSTEMS INTEGRATION 2015**  
**“Printed Electronics, Printed Diagnostics and 3-D Printing”**

**Dear Sir or Madam,**

Printed Electronics with printed diagnostics and 3D-printing will open a complete toolset for wide range of future applications and solutions. These technologies are the key elements to be integrated in the manufacturing process when, for example, huge volumes of disposable point-of-care tests are produced. Printed electronics is the basis for various functionalities, such as sensing, lighting, communication, etc. Printed diagnostics covers microfluidics, sampling, antibodies, markers, etc. 3D-printing will come in as a personalizing vehicle. All these variants offer vast possibilities for new products, since printed electronics are highly scalable and form factors can match nearly any need imaginable.

The event SYSTEMS INTEGRATION, initiated by the IVAM Microtechnology Network, will take place in Finland for the first time. Since 2008, the successful event series has been providing the opportunity for manufacturers and users to exchange ideas about intelligent applications of microtechnological solutions. IVAM and VTT would be very pleased to welcome you in Oulu to discuss with developers, manufacturers, and users.

We are looking forward to seeing you at the SYSTEMS INTEGRATION!



Ilkka Kaisto  
 VTT Technical  
 Research Centre of Finland



Thomas Dietrich  
 IVAM Microtechnology Network

Tuesday, June 9, 2015: Company Visits		
10.00 a.m. - 4.00 p.m.	Company Visits (Guided bus tour, Oulu, FI)	Ginolis, Screentec, Focalspec, Tactotek
6.30 p.m.	<b>Self-paid get-together-dinner</b> Sunset/sunrise at Nallikari beach (depends on the weather)	
Wednesday, June 10, 2015: Conference day		
9.00 a.m.	<b>Registration</b>	
9.30 a.m.	<b>Opening</b>	<b>Ilkka Kaisto, VTT, FI</b> , VTT Technical Research Centre of Finland, Oulu, FI <b>Dr. Thomas R. Dietrich</b> , IVAM Microtechnology Network, Dortmund, DE
Keynotes		
9.40 a.m.	<b>Automated manufacturing of disposables for healthcare applications</b>	<b>Markku Käsäkoski</b> , Ginolis Oy, Oulu, FI
10.10 a.m.	<b>Seeing beyond the 3D printing hype: Identifying the applications where it makes sense</b>	<b>Dr. Alireza Parandian</b> , Materialise NV, BE
10.40 a.m.	<b>Open access PrintoCent Pilot Factory Services</b>	<b>Dr. Kari Rönkä</b> , VTT, Oulu, FI
11.00 a.m.	<b>Case: Wraplight</b>	<b>Dr. Jukka-Tapani Mäkinen</b> , VTT, Oulu, FI
11.10 a.m.	Coffee break	
Company needs and challenges		
12.00 p.m.	<b>Intelligent LED lighting foil</b>	<b>Pekka Makkonen</b> , Flexbright Oy, Oulu, FI
12.15 p.m.	<b>Scale-up and Manufacturing of consumer disposable tests</b>	<b>Teemu Mäkineniemi</b> , Goodwiller Oy, Oulu, FI
12.30 p.m.	<b>Interior design applications through digital fabrication technologies</b>	<b>Antonio Mota Vieira</b> , Weproductize, Ponte Lima, PT
12.45 p.m.	<b>Solving hybrid mass production issues ...</b>	<b>Eero Kaikkonen</b> , Movesole Oy, Oulu, FI
1.00 p.m.	<b>2 x 5 min company pitches</b>	
1.15 p.m.	Lunch break	
Manufacturing and Integration		
2.30 p.m.	<b>Online measurements in printed electronics &amp; diagnostics fabrication - needs, challenges and solutions</b>	<b>Dr. Tapio Fabritius</b> , University of Oulu, Oulu, FI
3.00 p.m.	<b>Digital fabrication of printed smart objects</b>	<b>Dr. Andreas Willert</b> , Fraunhofer ENAS, Chemnitz, DE
3.20 p.m.	<b>Manufacturing of high quality OLEDs</b>	<b>Dr. Uwe Hoffmann</b> , Philips GmbH Innovation Services, DE
3.40 p.m.	Coffee break	
4.00 p.m.	<b>Injection molded 3D Structural Electronics</b>	<b>Dr. Antti Keränen</b> , Tactotek Oy, Oulu, FI
4.20 p.m.	<b>Virtual commissioning of a R2R machine for printed electronics</b>	<b>Andreas Gryglewski</b> , Bosch-Rexroth GmbH, Lohr am Main, DE
4.40 p.m.	<b>Scaling up the manufacturing of electrochemical disposable tests</b>	<b>Harri Määttä</b> , Oulu University of applied Sciences, Oulu, FI
5.00 p.m.	<b>Tour at VTT Pilot Factory</b>	
6.00 p.m.	Bus transportation to hotel	