

# IMAGIC Seminar Days 2011

## September 27th

*Chair: Jan Andersson*

- 09.45 **Introduction**  
Leif Bergström, IMAGIC Board Chairman  
Jan Andersson, IMAGIC Manager
- 10.00 **Uncooled amorphous silicon IRFPA technology at ULIS**  
Jean-Luc Tissot, ULIS, France
- 10.30 **Uncooled LWIR microbolometer with Si/SiGe quantum well thermistor and wafer level packaging**  
Audun Rør, Sensoror Technologies AS, Norway
- 11.00 BREAK
- 11.10 **Passive millimeter-wave technology for security systems**  
Naomi Alexander, Alfa Imaging SA, Madrid, Spain
- 11.40 **Imager antenna and front-end integration of mm-wave devices**  
Duncan Platt, Acreo AB, Sweden
- 12.00 LUNCH  
*Exhibition and poster session*  
*Visit to Electrum Laboratory (13.00)*

*Chair: Teresita Qvarnström*

- 14.00 **Next generation infrared imagers using superlattices and quantum dots**  
Sanjay Krishna, University of New Mexico, USA
- 14.30 **Optronic Systems in Defence and Security - Needs and Trends**  
Sören Svensson, Swedish Defence Research Agency (FOI)
- 14.50 **Road Traffic management and traffic information. Practical use of different sensing technologies**  
Lars Jonsson, Swedish Transport Administration (Trafikverket)
- 15.10 COFFEE BREAK
- 15.40 **Imaging sensors. Practice and needs at the Swedish Customs**  
Poul Christoffersen, Swedish Customs (Tullverket)
- 16.00 **PhotonicSweden: an industry-driven national platform in photonics**  
Lennart Svensson, LS Lasertech Innovation KB
- 16.20 **Panel debate on the future of imaging technology**  
*Moderator: Jan Andersson*
- Jean-Luc Tissot, ULIS, France  
Sanjay Krishna, University of New Mexico, USA  
Christer Fröjd, Mid Sweden University, Sweden  
Lars Jonsson, Swedish Transport Administration  
Svante Ödman, Swedish Civil Contingencies Agency (MSB)
- 17.30 Pre-dinner mingle at Memory Hotel
- 18.30 CONFERENCE DINNER at Memory Hotel

# IMAGIC Seminar Days 2011

## September 28th

*Chair: Susan Savage*

- 10.00 **Introduction**  
Susan Savage, IMAGIC Deputy Manager
- 10.10 **Advances in photon counting technology for long range three-dimensional imaging**  
Gerald Buller, Heriot-Watt University, UK
- 10.40 **The evolution of 3D cameras for industrial applications**  
Emil Hällstig, Optronic, Sweden
- 11.00 BREAK
- 11.10 **3D imaging laser radar and its applications in wind energy and security solutions**  
Lena Klasén, Avium AB, Sweden
- 11.30 **Fully Integrated Arrays of Digital Silicon Photomultipliers (dSiPM's) - The way towards industrial Application**  
York Haemisch, Philips Digital Photon Counting, Aachen, Germany
- 12.00 LUNCH    Exhibition and poster session

*Chair: Peter Norlin*

- 14.00 **Neutron imaging**  
Stanislav Pospisil, Institute for Experimental and Applied Physics, Czech Technical University in Prague
- 14.30 **Color in X-ray imaging**  
Christer Ullberg, XCounter AB, Sweden
- 14.50 **Automatic inspection in manufacturing industries**  
Hans Åhlén, OptoNova AB
- 15.10 **High precision pattern generators based on spatial light modulators**  
Jarek Luberek, Micronic Mydata AB, Sweden
- 15.30 **Final Remarks**  
Jan Andersson, IMAGIC manager
- 15.50 End of the Conference