

# PROGRAMME

## WEDNESDAY 28 – Morning

**09.00 Session: Opening and keynote (Leena Palotie auditorium)**

**10.45** Chair: Kari Rönkä, Chairperson of PrintoCent board & VP, Sensing Solutions, VTT

**09.00 Welcome and Opening words**

Kari Rönkä, Chair of PrintoCent board, VP, Sensing Solutions, VTT

**09.15 From concept to care: Empowering ostomy users through printed electronics**

Jesper Olsen, Principal engineer, Coloplast

**09.45 High-Performance Roll-to-Roll Optical Films for Integrated Light-Guiding and Light Management**

Samuli Siitonen, CTO, Nanocomp

**10.15 From lab to your first million; printed intelligence to printing cash**

Prateek Singh, Serial founder

**10.45 – 11.15 COFFEE BREAK**

**11.15 Company pitches (Leena Palotie auditorium)**

**12.00** Chair: Juho Paavola, Lead, Flexible electronics and photonics, VTT

**11.15 Verkotan Oy**, Kari Komonen, CEO

**11.20 Kissel + Wolf GmbH (kiwo)**, Michael Gross,  
Business Development Manager

**11.25 Wurth Elektronik Oy**, Olli Kinnunen, Product Manager

**11.30 nsm Norbert Schläfli AG**, Rolf Meyerhans, CTO

**11.35 Sefar AG**, Samuel Wagner, Head of Sales Screen Printing

**11.40 Isoproto**, Janne Isopahkala, Managing Director

**11.45 Panasonic**, Florian Haag, Business Development

**11.50 Delta ModTech**, Anders Haag, Senior European  
Business Development

**11.15 Innovation pitches (F202)**

**12.00** Chair: Markus Tuomikoski, Research Team Leader, VTT

**11.15 OYSTER**, Minna Komu, OuluHealth Network Director

**11.20 MedPhab association**, Christina Liedert, Executive Director

**11.25 Ultrasense**, Anni-Riitta Lassila, Research Scientist, VTT

**11.30 PECLABEL**, Maria Smolander, Team Leader, VTT

**11.35 Reverse offset printing**, Jaakko Leppäniemi, Principal Scientist, VTT

**11.40 Advance packing solutions of RF and photonics**, Mikko Karppinen,  
Research Team Leader, VTT

**11.45 Spectroscopy and machine vision**, Katariina Rahkamaa-Tolonen,  
Research Team Leader, VTT

**11.50 Human sensing and wearables**, Teemu Alajoki,  
Research Team Leader, VTT

**11.55 Energy sources and storage**, Mari Ylikunnari, Research Team Leader, VTT

**12.00 – 14.00 LUNCH – DEMOS, COMPANY BOOTHS & NETWORKING**

# PROGRAMME

## WEDNESDAY 28 – Afternoon

**14.00 Session 1A: Wearables for Healthcare and wellbeing**  
(Leena Palotie auditorium)

**15.30** Chair: Teemu Alajoki, Research Team Leader, VTT

**14.00 Challenges and Opportunities for Printed Electronics in Patient Monitoring Parameter Sensors**

Alle Borger, Principal engineer, and Colm McCaffrey, Principal engineer, GE Healthcare

**14.30 Sustainable medical electrodes**

Mikko Paakkolanvaara, CTO, Screentec

**14.50 Personalized Mobility & Rehabilitation: Printed Intelligence for Smarter, Healthier Aging**

Tobias Meyer, Business Development Manager, IEE S.A.

**15.10 Designing smart wearable biosensing systems for improved signal performance & comfort**

Alexis Bobenrieth, Technical service & development, Dupont Liveo

**14.00 Session 1B: Unmanned Aerial Systems and printed intelligence (F202)**

**15.30** Chair: Eero Heikkinen, CTO, Radelgo

**14.00 Why autonomous navigation is essential capability to reliable UAV-operations**

Juha Artama, Head of Sales, Radelgo

**14.20 Title**

Michel Strohmayr, CEO, FiberDrone Systems

**14.40 Research to Business: Real-time Hyperspectral Imaging with Mantis Vision**

Antti Näsilä, Principal Scientist, future founder, Mantis Vision

**15.00 Drone++**

Antti Takaluoma, Senior Specialist, Offcode

**15.30 – 16.00 COFFEE BREAK**

**16.00 Session 2A: Healthcare and Wellbeing Solutions**  
(Leena Palotie auditorium)

**17.30** Chair: Jussi Särkkä, Lead, Healthtech, VTT

**16.00 Innovation Through Collaboration: Bridging Tech Companies and Healthcare Needs**

Timo Alalääkkölä, Head of testing and Innovation, Wellbeing Services County of North Ostrobothnia POHDE

**16.20 The role of wearables technologies and data-driven decision tools in driving patient safety for future healthcare systems**

Hugh Passmore, CEO, Clini-Hub Ltd

**16.40 The Innovation dilemma: Key trends and Market Insights for Printed Medical Devices**

Luis Huici, Business development manager, Embega

**17.00 What to take into consideration when commercializing disposable medical electrodes?**

Hannele Toroi, QARA Director, Bittium

**16.00 Session 2B: Startup journeys from idea to market (F202)**

**17.30** Chair: Jaakko Lampela, CEO, Nordic Options

**16.00 Warmth-as-a-service**

Jani-Mikael Kuusisto, CEO, The Warming Surfaces Company

**16.15 From Concept to Company: The Mukava Story**

Teemu Ruotsalainen, CEO, Mukava Biosignals

**16.30 Nucu's vision for redefining sleep health for kids**

Juha Hannula, Co-founder, Nucu

**16.45 Transformative New Materials: Unlocking a New Era of Economical Gas Sensing Technology**

Antti Jäänvirta, Commercialization Lead, Aalto University

**17.00 Intergration of printed intelligence to textiles: Ideas benefits & possibilitie**

Jussi Saastamoinen, Founder, Grafence



# PROGRAMME

## THURSDAY 30 – Morning

**10.00 Session 3A: Energy Autonomous Solutions**  
(Leena Palotie auditorium)

**11.30** Chair: Thomas Kraft, Senior Scientist, VTT

**10.00 The future of energy autonomous wearables**

Juhani Kemppainen, Manager, Sensor Technologies, Polar Electro

**10.20 From Lab to Fab: Indoor Organic Photovoltaic Modules to Power IoT Devices**

Hani Kanaan, VP of new business development, Dracula Technologies

**10.40 Towards Sustainable IoT: Environmental Impacts of Printed vs Traditional Electronics in Real-World Applications**

Edmund Whitemore, Environmental Engineer, 4Mod

**11.00 Printed Power**

Anders Elfving, Co-founder, Epishine

**11.15 Enhanced Sustainability and Cyber Resilience of Biometric Security with Printed Energy Harvesting**

Frank Sandeølv, CEO, CardLab

**10.00 Session 3B: Enabled by Printed Intelligence (F202)**

**11.30** Chair: Markku Käsäkoski, CEO, MK Fluidics

**10.00 Every drop matters – the role of micro dispensing in healthcare, automotive, electronics**

Karthikesh Raju, Head of Products, Ginolis

**10.20 Printed All-Inorganic Metaoptics and AR Waveguides**

James Watkins, Founder, CSO, Myrias Optics and University of Massachusetts

**10.40 Innovation Diffusion Through Standardization**

Suvi Kela, Director, Engineering, TactoTek

**11.00 How combination of conductive silver paste, Piezotech®**

**electroactive polymers and AGFA Pedot: PSS brings sensitivity to printed electronics**

Hortense Gaya, Business Unit Manager, CCI EUROLAM

**11.15 Printed Intelligence Meets Japan**

Makoto Murata, Director, and Momoka Shibata, Chief, Japan External Trade Organisation

**11.30 – 13.30 LUNCH - DEMOS, COMPANY BOOTHS & NETWORKING**

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## THURSDAY 30 – Afternoon

<b>13.30</b>	<b>Session 4A: Next-gen diagnostics and biosensor technologies (Leena Palotie auditorium)</b>	<b>13.30</b>	<b>Session 4B: Enabling Technologies for future devices (F202)</b>
<b>15.00</b>	Chair: Tomi Erho, Founder, The Active Paper Company	<b>15.00</b>	Chair: Antti Backman, CDO, New Cable Corporation
<b>13.30</b>	<b>Scaling Biosensors: What Makes It Hard?</b> Juuso Nissilä, CEO, Summa Finland, Inc	<b>13.30</b>	<b>Smart Gasket - Enabling Predictive Maintenance of Industrial Applications</b> Jaakko Niukkala, Smart Product Specialist, TT Gaskets
<b>13.50</b>	<b>From Innovation in Materials to Point-of-Care Solutions and New Assay Possibilities</b> Villa Rajala, Sr. Business Development Manager, Canatu	<b>13.50</b>	<b>Smart Sensing for Industrial Vibration Monitoring</b> Eero Kaikkonen, CEO, MoveSole smart sensing
<b>14.10</b>	<b>REASSURED - Thinking tools for early product development</b> Kevin Land, CDO, Global Access Diagnostics	<b>14.10</b>	<b>Leveraging printed electronics for specialty products at Tageo</b> Victor Thenot, R&D Research Engineer, Tageos SAS
<b>14.30</b>	<b>Angel Investing in Diagnostics and Medical Devices: Lessons from Testi Technologies Oy and Smart PD Solutions Oy</b> Markku Käsäkoski, CEO MK Fluidics	<b>14.30</b>	<b>Sustainable solutions for the future of IoT device manufacturing</b> Timo Peltoniemi, CEO, Elcoflex
		<b>14.45</b>	<b>Eco-conscious embossing</b> Raimo Korhonen, CTO, M-Boss

### 15.00 – 15.30 COFFEE BREAK

<b>15.30</b>	<b>Session: Vision keynotes (Leena Palotie auditorium)</b>
<b>17.00</b>	Chair: Arto Maaninen, PrintoCent board member, Rector, University of Oulu
<b>15.30</b>	<b>Defence Applications for Printed Electronics</b> Daniel Carew, General Partner, Archangel Ventures
<b>16.00</b>	<b>Advanced military decoy systems</b> Terho Kololuoma, CEO, Dobbeltgänger
<b>16.15</b>	<b>Future Sensors and Devices for Human Performance Monitoring and Enhanced Survivability</b> Ralph Liedert, Customer Account Lead, VTT
<b>16.45</b>	<b>Closing words</b> Satu Väinämö, Director, PrintoCent, VTT