

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 Siitonens, 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

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|---|--|
| 14.00 Session 1A: Wearables for Healthcare and wellbeing (Leena Palotie auditorium) | 14.00 Session 1B: Unmanned Aerial Systems and printed intelligence (F202) 15.30 Chair: Eero Heikkinen, CTO, Radelgo |
| 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 | 14.00 Why autonomous navigation is essential capability to reliable UAV-operations Juha Artama, Head of Sales, Radelgo |
| 14.30 Sustainable medical electrodes Mikko Paakkolanvaara, CTO, Screentec | 14.20 Title Michel Strohmayer, CEO, FiberDrone Systems |
| 14.50 Personalized Mobility & Rehabilitation: Printed Intelligence for Smarter, Healthier Aging Tobias Meyer, Business Development Manager, IEE S.A. | 14.40 Research to Business: Real-time Hyperspectral Imaging with Mantis Vision Antti Näsilä, Principal Scientist, future founder, Mantis Vision |
| 15.10 Designing smart wearable biosensing systems for improved signal performance & comfort Alexis Bobenrieth, Technical service & development, Dupont Liveo | 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) | 16.00 Session 2B: Startup journeys from idea to market (F202) 17.30 Chair: Jaakko Lampela, CEO, Nordic Options |
| 17.30 Chair: Jussi Särkkä, Lead, Healthtech, VTT | |
| 16.00 Innovation Through Collaboration: Bridging Tech Companies and Healthcare Needs Timo Alaläkkölä, Head of testing and Innovation, Wellbeing Services County of North Ostrobothnia POHDE | 16.00 Warmth-as-a-service Jani-Mikael Kuusisto, CEO, The Warming Surfaces Company |
| 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 | 16.15 From Concept to Company: The Mukava Story Teemu Ruotsalainen, CEO, Mukava Biosignals |
| 16.40 The Innovation dilemma: Key trends and Market Insights for Printed Medical Devices Luis Huici, Business development manager, Embega | 16.30 Nucu's vision for redefining sleep health for kids Juha Hannula, Co-founder, Nucu |
| 17.00 What to take into consideration when commercializing disposable medical electrodes? Hannele Toroi, QARA Director, Bittium | 16.45 Transformative New Materials: Unlocking a New Era of Economical Gas Sensing Technology Antti Jäänvirta, Commercialization Lead, Aalto University |
| | 17.00 Integration of printed intelligence to textiles: Ideas benefits & possibilities Jussi Saastamoinen, Founder, Grafence |

PROGRAMME

THURSDAY 30 – Morning

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|--------------|--|--------------|---|
| 10.00 | Session 3A: Energy Autonomous Solutions (Leena Palotie auditorium) | 10.00 | Session 3B: Enabled by Printed Intelligence (F202) |
| 11.30 | Chair: Thomas Kraft, Senior Scientist, VTT | 11.30 | Chair: Markku Känsäkoski, CEO, MK Fluidics |
| 10.00 | The future of energy autonomous wearables Juhani Kemppainen, Manager, Sensor Technologies, Polar Electro | 10.00 | Every drop matters – the role of micro dispensing in healthcare, automotive, electronics Karthikesh Raju, Head of Products, Ginolis |
| 10.20 | From Lab to Fab: Indoor Organic Photovoltaic Modules to Power IoT Devices Hani Kanaan, VP of new business development, Dracula Technologies | 10.20 | Printed All-Inorganic Metaoptics and AR Waveguides James Watkins, Founder, CSO, Myrias Optics and University of Massachusetts |
| 10.40 | Towards Sustainable IoT: Environmental Impacts of Printed vs Traditional Electronics in Real-World Applications Edmund Whitemore, Environmental Engineer, 4Mod | 10.40 | Innovation Diffusion Through Standardization Suvi Kela, Director, Engineering, TactoTek |
| 11.00 | Printed Power Anders Elfwing, Co-founder, Epishine | 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 | Enhanced Sustainability and Cyber Resilience of Biometric Security with Printed Energy Harvesting Frank Sandeølv, CEO, CardLab | 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

PROGRAMME

THURSDAY 30 – Afternoon

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

15.00 – 15.30 COFFEE BREAK

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