

BITS&CHIPS PROGRAM

/EVENT

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#bcevent


Philips Hall Keynotes & Managing complexity

09:15  **KEYNOTE**
Mastering the edge: critical factors to enabling edge computing
Maarten Dirkzwager (NXP)

Neptune Starting and scaling


Jupiter AI engineering

10:00 **Break**


10:45  Embedding systems engineering innovations into the high-tech industry
Wouter Leibbrandt (ESI)

 10 ways to make your startup fail
Jan Bosch


 High-performance dataflow and in-memory computing architecture for AI at the edge
Fabrizio Del Maffeo (Axelera AI)


11:15  Resilience in evolving software systems
René van Hees (Thales)

 Scaling up in photonic biosensors – applying lessons from the other side
Maarten Buijs (Surfix)


 Ultra-low-power intelligent sensing with the spiking neural processor
Sumeet Kumar (Innatera)

11:45  Preventing regressions for software changes
Dennis Hendriks (ESI/Radboud University)


 Developing your own custom chip, is it also within your reach?
Bas Dorren (Imec.IC-link)

 Life-ready AI is here
Menno Lindwer (Graï Matter Labs)

12:15 **Lunch**


13:45  Diagnosis and health assessment for zero unscheduled downtime
Leonardo Barbini (ESI) & Emile van Gerwen (ESI)

 Yes, Agile short cycles also work in high-tech development
Remco Jager (Technolution Advance)

 The model is the easy part
Jan Bosch


14:15 **Break**

14:45  Software rejuvenation in a high-tech development environment
Raymond Rosmalen (Nexperia)

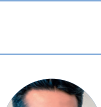
 The accidental startup – from research project to mass market
Iris Soute (Picoo)

 Chasing bugs – Using AI (and more) for a production-quality system to count insects on glue traps
Frank van der Linden (Itility)

15:15  Technology organization processes: how to transform while keeping the shop open
Julien Schmaltz (ICT) & Arjen Klomp (Thermo Fisher Scientific)

 Truly platform-independent and scalable real-time embedded neural network inference
Ramses Valvekens (Easics)

15:45 **Break**

16:15  Opportunities and challenges of high-throughput 3D metrology equipment for semiconductor process control
Hamed Sadeghian (Nearfield)

17:00 **Drinks**