tinyML Trailblazers

Ultra-low power machine learning at the edge success stories

tinyML Success Stories

with Marian Verhelst

Professor, EE Department of KU Leuven
Scientific director, Imec

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- **Personalization**
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- **Efficient learning**
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- **Perception**
  - Object detection, speech recognition, contextual fusion

- **Reasoning**
  - Scene understanding, language understanding, behavior prediction

- **Action**
  - Reinforcement learning for decision making

A platform to scale AI across the industry

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- Reduces Data Collection Time and Cost
- Increases Model Performance

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**Deploy more** models to your device without sacrificing performance or battery life with our **easy-to-use software**

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https://reality.ai info@reality.ai @SensorAI Reality AI
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Latentai.com
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https://SynSense.ai
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tinyML - Enabling ultra-low Power ML at the Edge

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Please use the Q&A window for your questions
Host of the Trailblazers Series

Chris Rowen

Chris is a Silicon Valley entrepreneur and technologist, now VP of AI Engineering and Product for Webex Collaboration in Cisco. Most recently he was co-founder and CEO of BabbleLabs, a speech ML company, acquired by Cisco in 2020. Prior to BabbleLabs, Chris served as CTO for Cadence’s IP Group, which he joined after Cadence’s acquisition of Tensilica, the company he founded in 1997 to develop extensible processors. He led Tensilica as CEO and later, CTO, to develop one of the most prolific embedded processor architectures, especially for compute-intensive embedded processing. Chris was a pioneer in developing RISC architecture and helped found MIPS Computer Systems in 1984. He has an MS and PhD in EE from Stanford and a BA in physics from Harvard. He was named an IEEE Fellow in 2015 for his work in development of microprocessor technology.
Today’s Guest

Marian Verhelst

Marian Verhelst is a full professor at the EE Department of KU Leuven and a scientific director at Imec. Her research focusses on embedded machine learning, hardware accelerators, HW-algorithm co-design and low-power edge processing. Prof. Verhelst is a tinyML board member, the ML topic chair of the ISSCC and DATE conferences and was the chair of the tinyML summit 2021. She also highly values science communication, especially towards youngsters and girls.
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