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Hardware-efficient AI and ML

Quantum and cryogenic circuits

Biomedical circuits and sensor interfaces

Wireline and optical circuits





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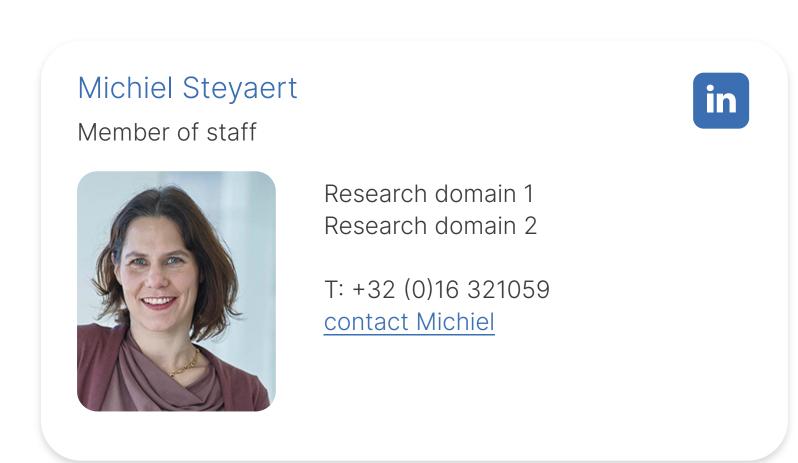
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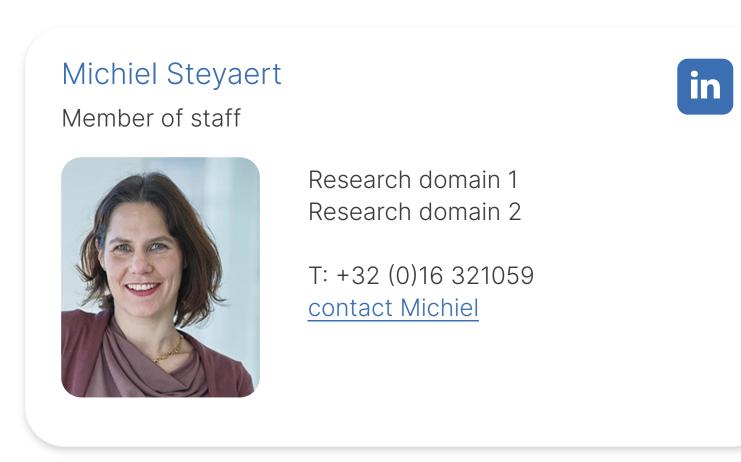
Q Search: by name, research domain, function By function: By research Analog and power management circuits Academic staff domain: PhD students Computer-aided hardware design and test Master students Mixed-signal circuits and data converters Ultra-low power digital SoCs and memories Technical & Support RF, mmWave and THz circuits

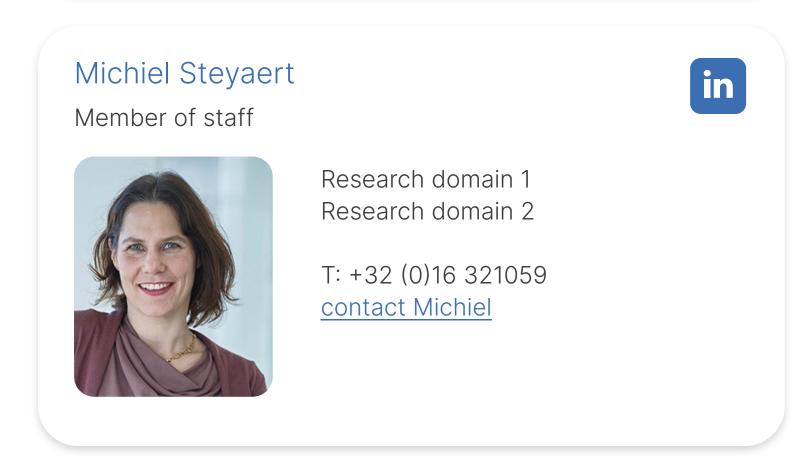
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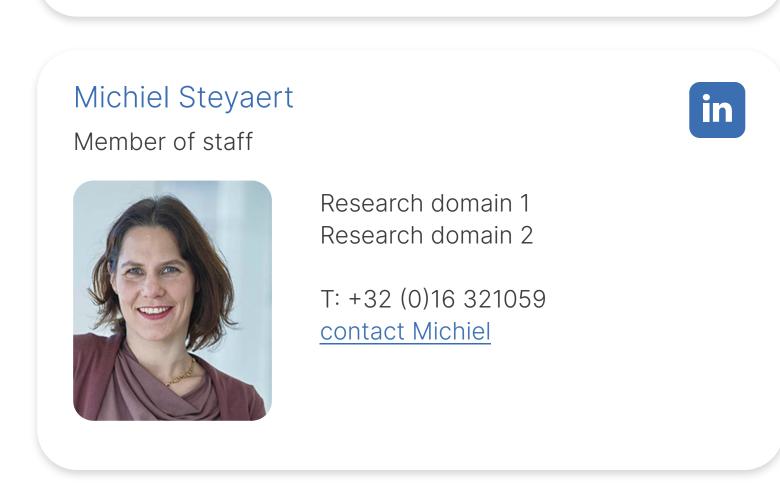
Guest researchers

Academic Staff

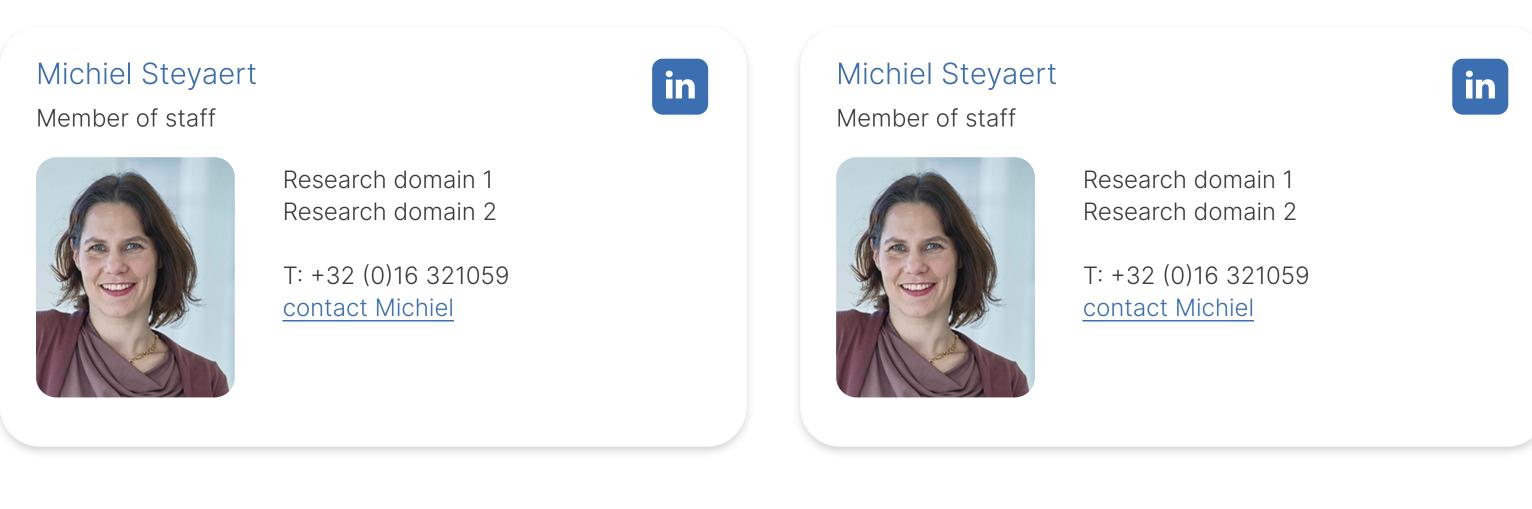








Research assistants





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in

Inspire



Michiel Steyaert

Main research domains

- Research domain 1
- Research domain 2
- Research domain 3





Research domain 1 Research domain 2

T: +32 (0)16 321059 contact Michiel

Room B02.02

Or meet the full MICAS team

Interests and expertise

Michiel Steyaert was Dean of the Faculty of Engineering Science from 2012 until 2020. He was in 1988 a Visiting Assistant Professor at the University of California, Los Angeles. Between 1989 and 1996 he was appointed by the National Fund of Scientific Research (Belgium) and as associated professor at the Laboratory ESAT-MICAS, KULeuven. Since 1997 he is a Full Professor at the Laboratory ESAT-MICAS, KULeuven.

He was the Chair of the Electrical Engineering Department from 2005 until 2012. He is current research interests are in high-performance and high-frequency analog integrated circuits for telecommunication systems, analog signal processing and power management CMOS techniques. Prof. Steyaert authored or co-authored over 500 papers in international journals or proceedings and co-authored over 25 books.

He received among the first in Belgium an ERC-advanced grant for the design of CMOS mm-wave circuits, and received as first Belgium Engineering Science the Methusalem grant for the implementation of CMOS Power management circuits.

Subtitle

- 1983: M.Sc. in electrical-mechanical engineering science from the KU Leuven,
- 1987: Ph.D. degree in electrical engineering science from the KU
- 1983 1986: research assistant at the Laboratory ESAT-MICAS at KU Leuven (IWNOL fellowship - Belgian National Foundation for Industrial Research).
- 1986 1987: IWONL project researcher at the Laboratory ESAT-MICAS, KU
- 1988: visiting Assistant Professor at the University of California, Berkeley, USA.
- 1989 1996: (senior) research associate and Research Director (National Fund of Scientific Research (Belgium) at the Laboratory ESAT-MICAS, KU Leuven.
- 1997 2000: Professor, at the Laboratory ESAT-MICAS, Faculty of Engineering Science, KU Leuven.
- 2000 current: Full Professor, at the Laboratory ESAT-MICAS, Faculty of Engineering Science, KU Leuven.
- 2005 2012: Electrical Engineering **Department Chair** (ESAT), KU Leuven.
- 2012 2020: **Dean of the Faculty of Engineering Science** at KU Leuven

Subtitle

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