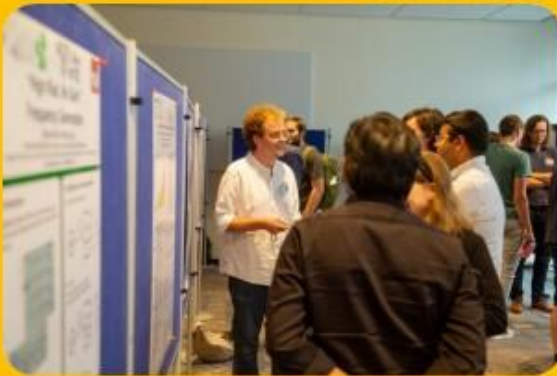# ProRISC & SAFE conference

Monday 7th – Tuesday 8th July 2025

ProRISC & SAFE conference 2025

Join us for this event, filled with exciting talks, networking opportunities, and more!

SAVE THE DATE

Monday 7th – Tuesday 8th July 2025

ut.onl/proriscsafe

proriscsafe2025@utwente.nl

Location: U Parkhotel at University of Twente, De Veldmaat 8, 7522 NM Enschede

TU Delft · UNIVERSITY OF TWENTE. · TU/e EINDHOVEN UNIVERSITY OF TECHNOLOGY

ProRISC and SAFE Conference

Monday, 7 July, 2025

10:00-11:00[C1/C2]
Start of Registration

11:00-11:15 [C1/C2]
Official opening by Bram Nauta and Remco J. Wiegerink

11:15-12:00 [C1/C2]
Keynote Speaker: Sander Gierkink

12:00-13:00
Lunch

13:00-14:15
Invited Speakers

ProRISC[C1/C2]	**SAFE[C5/C6]**
Lucas Timmermans	Toni Sandbrink-Koblenz
Albert Hasper	Adriana Creatore

14:15-14:30
Coffee break

14:30-15:30
PHD Speaker Session 1

ProRISC[C1/C2]	**SAFE[C5/C6]**
Kyle van Oosterhout	Ana Carina Baeta Manjua
Remon Cents	Weihua Wu
Yunzhe Yang	Optional PhD Speaker TU Delft

15:30- 15:45
Coffee break

15:45-17:00
Flash presentations [ProRISC C1/C2 | SAFE C5/C6]
Poster session 1 [C3]

17:00-17:15
Break

17:15-18:45
Social Event

18:45-21:00
BBQ and Drinks

Website: ut.onl/proriscsafe2025

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PROGRAM

ProRISC and SAFE Conference
Tuesday, 8 July, 2025

08:30-9:00 Coffee
09:00-10:00 **PHD Speaker Session 2** **ProRISC [C1/C2]**   **SAFE [C5/C6]** Floris van Mourik   Heime Jonkers Josef Heel   Guillem Monsó Jelle Verest   Fabio Peinetti
10:00-10:15 Coffee break
10:15-11:30 **Flash presentations [ProRISC C1/C2	SAFE C5/C6]** **Poster session 2 [C3]**
11:30- 12:30 **PHD Speaker Session 3** **ProRISC [C1/C2]**   **SAFE [C5/C6]** Erwin Hardeveld   Jacopo Ruggeri Elles Raaijmakers-Thomas Hoen   Rahman Sabahi Kaviani Bea Lafuente Alcazar   Nina Häselhoff
12:30-13:30 Lunch
13:30-14:15 [C1/C2] **ProRISC/SAFE and Else Kooi Awards**
14:15-14:30 [C1/C2] Closing words

Website: ut.onl/proriscsafe2025

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INVITED SPEAKERS

Name	Photo	Affiliation	TOPIC
Sander Gierkink		Teledyne DALSA	Noise Optimization of Micro-Bolometer Read-Out ICs
Lucas Timmermans		Nikhef	Radiation hard design for high-energy physics at Nikhef
Albert Hasper		PHIX	Introduction to Integrated Photonic Packaging
Toni Sandbrink-Koblenz		Memsstar	Vapor phase etching and surface modification: mature and emerging processing technologies
Adriana Creatore		TU/e	Materials science, thin film growth and characterization of metal oxides for next-generation energy technologies

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ProRISC and SAFE Conference 2025

PHD SPEAKERS

Name	Affiliation	TOPIC
Kyle van Oosterhout	TU/e (ProRISC)	Flexible Electronics - Conformable Biosensor Interfaces to the human
Remon Cents	UT (ProRISC)	A 0.5-0.8V 10-85 MS/s 12-bit SAR ADC in 22nm FDSOI Utilizing an Inverter-Based Comparator Architecture
Yunzhe Yang	TU Delft (ProRISC)	Matryoshka CSCR: A Reconfigurable Matryoshka-Stacked Continuously-Scalable-Conversion-Ratio Switched-Capacitor DC-DC Converter with 0.1-to-1.7V Input
Ana Carina Baeta Manjua	TU/e (SAFE)	Flexible Electronics - Conformable Biosensor Interfaces to the human
Weihua Wu	UT (SAFE)	Film thickness non-uniformity and crucial role of water dosage for atomic layer deposition of yttrium oxide from yttrium cyclopentadienyl precursor
Floris van Mourik	TU Delft (ProRISC)	BIRD: Low Offset Voltage biased Hall effect sensors
Josef Heel	UT (ProRISC)	A 12.8GS/s Sub-Sampling ADC Front-End with 38GHz Input Bandwidth and >39dB SNDR for 1 to 32GHz in 22nm FDSOI
Jelle Verest	TU/e (ProRISC)	DIY Chips: a look into fully open-source IC design
Heime Jonkers	UT (SAFE)	Anisotropic conduction modelling for monitoring of the first layer for 3D printing

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PHD SPEAKERS

Name	Affiliation	TOPIC
Guillem Monsó	TU/e (SAFE)	Merging Biology with AI: A Brain-on-Chip for Next-gen Neuromorphic Computing
Fabio Peinetti	TU Delft (SAFE)	Fabrication and testing of a non-invasive RF glucose sensitive device
Erwin Hardeveld	UT (ProRISC)	A wide BW Mixer-First Receiver With Bootstrapped Mixer-Switches Achieving High In-Band IIP3
Elles Raaijmakers-Thomas Hoen	TU/e (ProRISC)	IC Tycoon - what you can gain from winning the poster competition at ProRISC
Bea Lafuente Alcazar	TU Delft (ProRISC)	A Seizure Detection SoC with Multiplier-Less Inference and Model-Aware Feature Selection
Jacopo Ruggeri	TU Delft (SAFE)	Inverted Pyramid 3-axis Hall-effect sensor with offset cancellation
Rahman Sabahi Kaviani	TU/e (SAFE)	A Microfluidic Cartilage-on-Chip Platform for Personalized Cartilage Transplant Compatibility Screening
Nina Häselhoff	UT (SAFE)	Batch-Fabricated Electrothermal Microvalve Array using Silicone Elastomer as Working Medium

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Venue

U Parkhotel at University of Twente