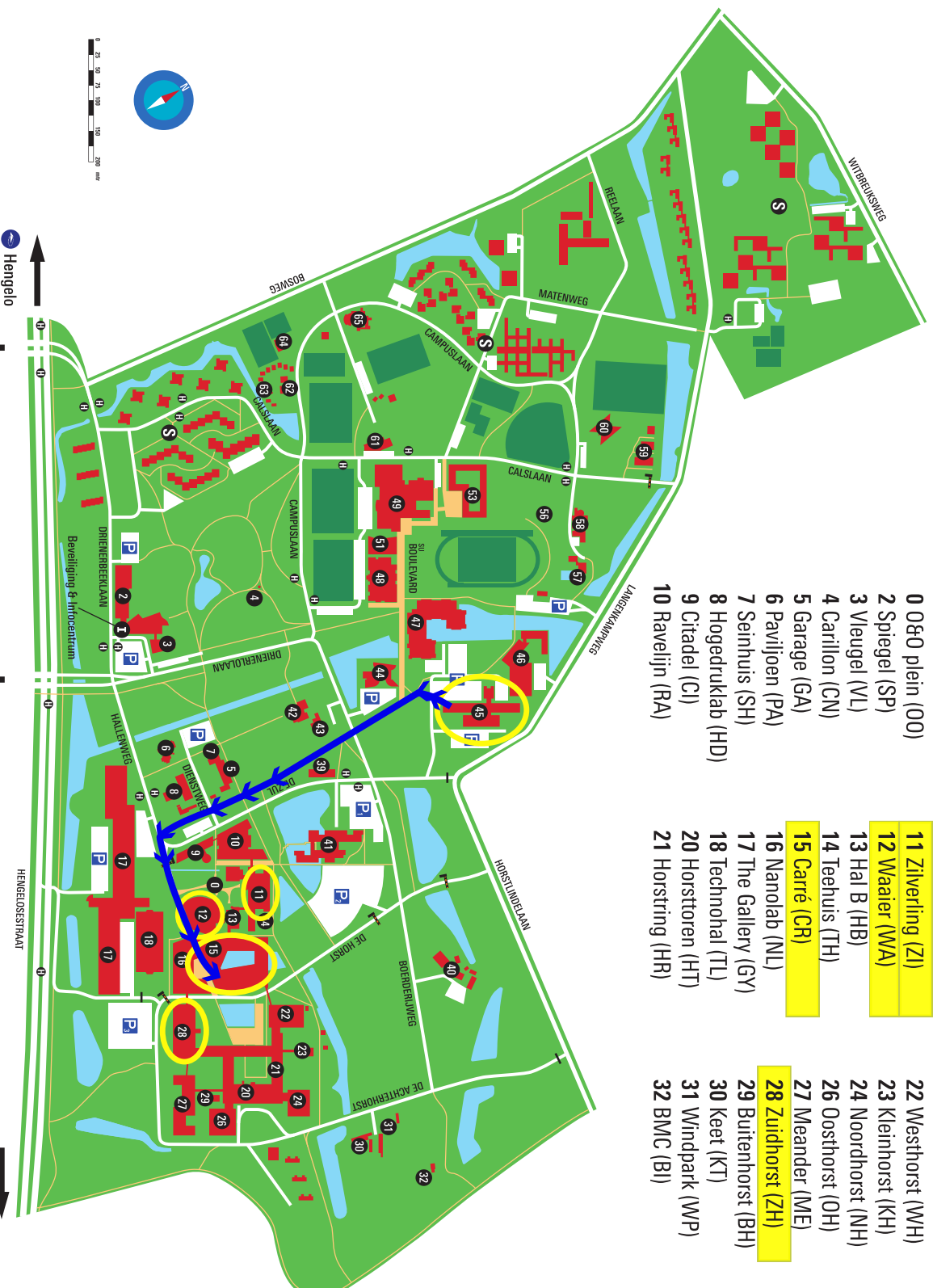


FACULTY OF ELECTRICAL ENGINEERING,
MATHEMATICS AND COMPUTER SCIENCE

EE@UT
Research Visitation
20 June 2024

UNIVERSITY OF TWENTE.

MAP OF THE UNIVERSITY OF TWENTE



- 0 O&O plein (OO)
- 2 Spiegel (SP)
- 3 Vleugel (VL)
- 4 Carrillon (CN)
- 5 Garage (GA)
- 6 Paviljoen (PA)
- 7 Seinhuys (SH)
- 8 Hogedruklab (HD)
- 9 Citadel (CI)
- 10 Ravelijn (RA)

- 11 Zilverling (ZI)
- 12 Waiaer (WA)
- 13 Hal B (HB)
- 14 Teehuys (TH)
- 15 Carré (CR)
- 16 Nanolab (NL)
- 17 The Gallery (GY)
- 18 Technohal (TL)
- 20 Horsttoren (HT)
- 21 Horstring (HR)

- 22 Westhorst (WH)
- 23 Kleinhorst (KH)
- 24 Noordhorst (NH)
- 26 Oosthorst (OH)
- 27 Meander (ME)
- 28 Zuidhorst (ZH)
- 29 Buitenhorst (BH)
- 30 Keet (KT)
- 31 Windpark (WP)
- 32 BMC (BI)

- 39 Chalet (CT)
- 40 Evee Holzik (ER)
- 41 Cubicus (CU)
- 42 Faculty Club (FC)
- 43 Schuur (SR)
- 44 Drienerburghort (DR)
- 45 **Upark hotel**
- 46 High Tech Factory (HTF)
- 47 Vijfhot (VR)
- 48 Bastille (BA)
- 49 Sportcentrum (SC)
- 51 Shopping centre/Sky (SK)
- 53 Box (BO)
- 56 Openluchttheater (OUT)
- 57 Zwembad (ZW)
- 58 Sleutel (SL)
- 59 Mondraan (MO)
- 60 Vlinder (VI)
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- 62 Boerderij Bosch (BB)
- 63 Stall (ST)
- 63 Blokhutten (BL)
- 64 Tennispark (TP)
- 65 Logica (LO)
- 66 BTC (BTC)

- Security service office
- Student housing
- Bus stop
- Parking
- Barrier
- Closed road

This map is downloadable at
www.utwente.nl/campusmap
 For a 3d-version see
maps.utwente.nl

UNIVERSITY OF TWENTE.

Programme Research Visitation EE@UT

All meetings will be in **Carré CR1333**, unless noted otherwise.

<i>Time</i>	<i>Activity</i>	<i>Participants (moderators in bold)</i>
8.45	Gather in Carré CR1506	Rector and faculty MT
9.00 – 9.30	Welcome by Rector and interview + Faculty MT	Tom Veldkamp (EB), Peter Veltink (FB), Mert Alberts (FB), Lucia Hans (BC), Cora Salm (EE), Gijs Krijnen (DC-EE)
9.30	Gather in Carré CR1506	PI Panel
9.45 – 10.30	Interview: PI's from EE discipline	Séverine Le Gac (AMBER), Loes Segerink (BIOS), Jan Buitenweg (BSS), Geert Heijenk (DACs), Luuk Spreeuwens (DMB), Jurriaan Schmitz (IDS), Floris Zwanenburg (NE), Stefano Stramigioli (RAM)
10.45	Gather in Carré CR1506	Medior Panel
11.00 – 11.30	Interview medior staff	Jasper Reenalda (BSS), Marco Ottavi (CAES), Suzan Bayhan (DACs), Anne-Johan Annema (ICD), Françoise Siepel (RAM).
11.30	Gather in Carré CR1506	Junior Panel
11.45 – 12.15	Interview junior staff	Kirsten Pondman (AMBER), Arlene John (BSS), Harijot Singh Bindra (ICD), Dennis Alveringh (IDS), Joost Ridderbos (NE), Tom Hartman (PE), Vincent Groenhuis (RAM), Sujith Raman (RS), Anastasia Lavrenko (RS).
12.15	Gather in Waaier Foyer	PhD Panel
12.30 – 13.15	Lunch with PhD candidates & Alumni In the <u>Foyer of the Waaier</u>	Lysanne Mol (AMBER) Frauke Luft (BSS), Kees van Dijk (BSS), Syllas Rangel Carneiro Magalhaes (DACs), Melissa Tijink (DMB), Meiru Mu (DMB), Stef van Zanten (ICD), Maarten Bon-nema (IDS), Dennis van der Bovenkamp (NE), Anand Iyer (PE), Hengameh Noshahri (RAM), Frieda van den Noort (RAM), Andrei Mogilnikov (RS), Ibrahim Bilal (RS).
13.15	Gather in Waaier Foyer	All tour-guides
13.30 – 14.30	Experience EE@UT: Labtour – various subjects	Committee split up See <i>Table A</i>
15.00	Gather in Carré CR1506	Faculty MT
15.15 – 15.45	Concluding meeting with MT / Faculty Board: 1) fact check, 2) open questions, and 3) sharing first conclusions	Peter Veltink (FB), Mert Alberts (FB), Lucia Hans (BC), Cora Salm (EE), Gijs Krijnen (DC-EE)
17.15	Gather in Waaier Foyer	All
17.30 – 17.45	Oral presentation on first impression EE@TU/e and EE@UT by committee In the <u>Foyer of the Waaier</u>	All panel participants and interested EE staff, incl. PhD's! Link to join online by MS Teams
17.45 – 18.00	Closure / refreshments In the <u>Foyer of the Waaier</u>	All panel participants and interested EE staff, incl. PhD's!

Lab tours and Laboratory Visits

Prior to the lab-tours the first tour-guides (*Jurriaan Schmitz, Floris Zwanenburg, Stefano Stramigioli and Luuk Spreeuwers*) gather **at the Foyer of the Waaijer at 13:15** to fetch the committee members.

Table A Programme for the lab tours with suggestion for committee members.

Lab-tour	Time	Labs & Locations	Participants (<i>Tour-guide in italics</i>) Suggested committee member
A	13:30 – 14:00	ICD/IDS lab (Carré CR2630)	<i>Jurriaan Schmitz, Arnoud Rop, Alexander Delke</i>
	14:00		<i>Jurriaan Schmitz</i> brings committee to PE Lab
	14:00 – 14:30	PE lab (Carré CR2544)	<i>Prasanth Venugopal, Roelof Grootjans</i>
	14:30		<i>Prasant Venugopal</i> brings committee to CR1333 Committee: Arnoud van der Wel, Peter O'Brien
B	13:30 – 14:00	NE lab (Carré CR1534)	<i>Floris Zwanenburg, Markus Schremb</i>
	14:00		<i>Floris Zwanenburg</i> brings committee to BIOS Lab
	14:00 – 14:30	BIOS lab (Carré CR2418)	<i>Loes Segerink, Paul te Braak, Laurens Spoelstra</i>
	14:30		<i>Loes Segerink</i> brings committee to CR1333 Committee: Wouter van den Wijngaart, Luc Enthoven
C	13:30 – 14:00	RAM lab (Carré CR3434)	<i>Stefano Stramigioli, Marcel Schwirtz, Marion Kuipers</i>
	14:00		<i>Jan Buitenweg</i> brings committee to BSS Lab
	14:00 – 14:30	BSS lab (Zuidhorst ZH284)	<i>Jan Buitenweg, Frodo Muijzer, Alessandro Castellaz, Bouke Scheltinga</i>
	14:30		<i>Jan Buitenweg</i> brings committee to CR1333 Committee: Joris de Schutter, Sabine van Huffel
D	13:30 – 14:00	DMB lab (Zilverling Zi4082)	<i>Luuk Spreeuwers</i>
	14:00		<i>Luuk Spreeuwers</i> brings committee to CAES Lab
	14:00 – 14:30	CAES lab (Zilverling Zi5039)	<i>Marco Ottavi, Dorus Abeln</i>
	14:30		<i>Marco Ottavi</i> brings committee to CR1333 Committee: Sonja Berlijn, Sven Laudy

Committee Members

Table B Committee members.

Function	Person	Field & Affiliation
Member	Dr. ir. Arnoud van der Wel	Power Conversion group Innovation and roadmap manager NXP Semiconductors, Eindhoven, Netherlands
Member	Prof. dr. ir. Joris de Schutter	Robot control & human - robot interaction Faculty of Engineering Science, KU Leuven, Leuven, Belgium
Member	Ir. Luc Enthoven	PhD study on Scalable biasing solutions for spin qubits Quantum Integrated Circuits Group Delft University of Technology, Delft, Netherlands
Member	Prof. dr. Peter O'Brien	Photonic device integration and packaging research Photonics Centre Tyndall National Institute, Tyndall, Ireland
Member	Prof. dr. ir. Sabine van Huffel	Biomedical Data Processing & Clinical Decision Support Software Faculty of Engineering Science, KU Leuven, Leuven, Belgium
Chair	Prof. dr. ir. Sonja Berlijn	Sustainable integrated energy systems Division Electric Power and Energy Systems KTH Royal Institute of Technology, Stockholm, Sweden
Secretary	Ir. Sven Laudy	Quicken Organisatie Adviseurs, Enschede, Netherlands
Member	Prof. dr. ir. Wouter van der Wijngaart	Microfluidic and lab-on-a-chip micro & nanosystems Division of Micro- & Nanosystems KTH Royal Institute of Technology, Stockholm, Sweden

Some do's and don'ts

The interviews of the visitation will take place in room Carré 1333. **Please meet in the meeting point (see below) 15 minutes in advance** of your time-slot (see [the programme](#)).

Before the visitation:

- The committee has proposed smart casual dress code for the site visit.
- Please study the [Self-Evaluation report](#) well, before the visitation.
- Spend some time on knowing who is who in the visitation committee (see [Table B](#)).
- Please come to the meeting point 15 minutes before your part in the programme starts. Marthe and Gijs will await you there to brief you on the findings of the previous panel(s) and or specifics of the programme. Also you need to pick up your name-plate or name-tag. The meeting point depends on your spot in (see [the programme](#)):
 - For the MT, PI's, Mediors and Juniors please come to **Carré CR1506** where you will get briefed and given your name plate.
 - For the (Alumni) PhD's please come to the **Foyer of the Waaier** to get briefed and pick up your name-tags.
 - For the lab-tours the tour-guides also need to convene in the **Foyer of the Waaier**. Please pick up your badges, as well as those for the technicians involved in the lab-visits. The tour-guides of the first part of the lab-tours will also need to take care of the committee members and walk with them to the first lab of their lab-tour (see [Table A](#)).
- Do not unnecessarily pass the meeting room and refrain from peeking through its windows.

During the interviews:

- The sessions are short; so no formal introduction or handshaking.
- Don't bring your coffee or tea, etc to the meeting, nor use any drinks available in the room as these are for the committee members.
- Make sure you bring your name plate to the session and put it in front of you, well readable by the committee members.
- In general the committee leads the session; in order to do their work properly *they* need to inform themselves.
- Don't speak before the (chair of the) committee gives you the word.
- Since we do not all have the same threshold for awkward silences and to prevent that many questions are answered by few people, each panel will have **one person to distribute the questions** of the committee over the panel members. These **moderators are indicated in bold in the programme**.
- Be brief and to the point; the meeting slots are short.
- Only provide the committee with opinions in reply to open questions("...any other matter...?").
- Avoid complaining. Blaming others (government, Executive Board, Faculty Board, institutes, service units etc.) will definitely lead to questions like "but what can you do about it?"; and , moreover, "why do you think what you are doing is the best?".
- Avoid statements relating to academic freedom implying you cannot impose anything on researchers.
- In the trial visitation some meetings did not give the impression that there was a lot of interest in collaboration, doing things collectively. It sometimes sounded very individualistic. Visually: think about where you sit; sit together, and not distributed through the room.
- Note that you may be with a reasonable large group in your meeting. So it is okay if your

speaking time is limited or even zero. As long as the committee gets the insights needed.

During the lab-tours:

- Please do not try cramp too many demo's in one lab-visit. In the end it is only 30 min!
- Listen carefully to the committee members as to what interests them most.
- Try to be flexible and cater to the committee's interests.
- Your labs do not have to be empty: students working on their experiments forms a good ambiance!
- If needed, you may want to tidy up your lab in advance.
- **Keep strictly to the allotted times** as the committee has a rather tight schedule and only one day to form their opinions on a myriad of subjects. Make sure that you know where to bring the committee after the visit to your lab (see [Table A](#)).

After the interviews

- Leave the room in a quiet manner, at least till you are at sufficient distance from the meeting room.
- Return to the meeting point (see above).
- Do not discuss the interview outside the meeting room (a committee member may walk behind you)
- Return your name-plate.
- Debrief Marthe and Gijs so they can convey your findings to the next panel.

After a lab visit:

- Guide your visitors to the next lab on the programme (after the first visit) or to Carré CR1333 (after the second visit, see [Table A](#)).
- For those guiding the committee members after the second visit, please drop by in Carré CR1506 to debrief Marthe and Gijs.

At the end of the day:

- Please come to the **Foyer of the Waaier** in large numbers, showing we take this Research Visitation serious!
- Listen carefully to what the committee has to share with us, both about EE@TU/e and EE@UT.
- If you interact with the committee members during the drinks afterwards you may ask for clarification. However, do not start a debate with them; the report still needs to be written and we will get a formal opportunity to react to the committee's findings.
- For those unable to attend on-site you may want to join [via this MS Teams link](#). This will only be used for streaming, so please mute your microphone.

For any urgent questions please contact Gijs Krijnen (gijs.krijnen@utwente.nl), phone +31-6-14975840 or Marthe Kampman (m.l.kampman@utwente.nl), phone +31-6-45382125.

Of course we all hope that the committee leaves our university with a favourable, albeit critical, assessment. I am convinced you all contribute to that. And hope and think, that indeed, we have something to celebrate at the end of the day.

Participants and Short Biographies

Table C Short Biographies of the Participants, MT panel

Management Team and Faculty Board¹

[Prof. dr. ir. Tom Veldkamp \(EB\)](#)

In 2010, Tom Veldkamp was appointed as Rector/Dean of the ITC institute – Geo-Information Science and Earth Observation, as the successor of Prof Martien Molenaar. In his years as a Dean, he led the transformation of ITC - from an independent institute to one of UT's faculties. He is a sought-after speaker about different aspects of earth sciences. His scientific work was cited over 21,000 times, and he was the promotor/supervisor of dozens of PhD students. He is, among others, the editor-in-chief of 'Agriculture Ecosystems and Environment'. Veldkamp was the initiator of many public-private partnerships in education and research, across the world. At the UT, he recently was involved in University College Twente ATLAS and in shaping the new cross-disciplinary programme of Spatial Engineering.

[Prof. dr. ir. Peter Veltink \(FB\)](#)

Peter Veltink is professor of technology for the restoration of human function. He chaired the Biomedical Signals and Systems Group, coordinates the research track Neural and Motor Systems of the Institute for Biomedical Technology and Technical Medicine (MIRA) and chaired the discipline Electrical Engineering in the Faculty of Electrical Engineering, Mathematics and Computer Science. He currently is the interim dean of the EEMCS faculty

[Dr. ir. Mert Alberts \(FB\)](#)

As of 1 September 2023, he is the director for the Library, ICT Services & Archive (LISA) service department, annex CIO. Mert is an alumnus of the UT. In May 1993, he obtained his PhD at the Faculty of Computer Science in the field of Expert Systems and Artificial Intelligence after completing his MSc in Electrical Engineering earlier at the UT. He worked for several years as a post-doc at the same faculty in the field of AI research. Thereafter, he started his own ICT/internet consultancy and development agency, specialised in e-commerce solutions and knowledge management. He is currently the interim managing director of the EEMCS faculty.

[Drs. Lucia Hans \(BC\)](#)

received her MSc degree in public policy and administration from the UT in 1995. Subsequently she worked at the "Ministerie of Infrastructuur and Waterstaat", first as (senior) policy advisor (1995 – 2005) and later as projectmanager (2005 – 2008). She joined the UT/EEMCS as senior policy advisor (2008 – 2020) and currently is business controller & teammanager.

[Dr. ir. Cora Salm \(EE\)](#)

holds an MSc in Applied Physics and a PhD in EE. She is the program director of the bachelor and master EE since September 2020 and as such responsible for the content and quality of the education, and authored several papers on education innovations and holds a senior teaching qualification. She is embedded in the IDS group with research focus on reliability of micro and nano devices and systems.

[Prof. dr. ir. Gijs Krijnen \(DC-EE\)](#)

obtained the doctorate degree with honours from the UT In 1992. From 1992 – 1995 he was a fellow of the Royal Netherlands Academy of Arts and Sciences and studied second- and third-order non linear integrated optics devices. In this period he was a visiting scientist at the Center for Research and Education in Optics and Lasers in Orlando, Florida, USA. In 1995 – 1997 he worked on integrated optic devices for optical telecommunication at the UT and TUD. In 2005 he was rewarded an NWO Vici grant. Since September 2020 he is the Chair of the EE@UT discipline.

¹ Click the links for additional information on persons or units.

Table D Short Biographies of the Participants, PI panel**Principal Investigators of the Research Groups¹****Prof. dr. ir. Séverine Le Gac (AMBER)**

received her DEA (MSc equivalent; interface biology/chemistry) from the MNHN (Paris, France) in 2000. In 2004, she obtained her PhD degree cum laude in life sciences from the university of Lille (France) for the development of microfluidic systems for proteomic analysis by mass spectrometry. For this work she was attributed the PhD prize of the French Society for Mass Spectrometry in 2005. After a 3-year post-doctoral stay in the BIOS, Lab-on-a-Chip Group, she was offered a tenure-track position. Currently, Dr. Le Gac is an Adjunct Professor at the University of Twente (The Netherlands) and she is leading a team called “Applied Microfluidics for BioEngineering Research – AMBER” which is part of the MESA+ Institute for Nanotechnology and the TechMed Institute.

Prof. dr. ir. Loes Segerink (BIOS)

Her research focuses on the development of microfluidic systems for (bio)-medical applications, thereby increasing the knowledge of biological systems and improving the diagnostics and treatment of diseases. As an example electrodes can be integrated in these devices, making electrical measurements on single cells such as sperm cells, or a tissue layer like the blood-brain barrier possible.

Prof. dr. ir. Jan Buitenweg (BSS)

received the M.Sc. degree in EE with Biomedical specialization from the UT in 1998. He received the Ph.D. degree in 2001 after studying the electrical behaviour of the interface between cultured neurons and substrate embedded micro-electrodes. Presently he is a Full Professor at the University of Twente and principal investigator of the track Nociceptive and Somatosensory Processing of the BSS.

Prof. dr. ir. Geert Heijen (DACS)

received his MSc in Computer Science in 1988, and his PhD in Telecommunications in 1995, both from UT. He was part-time researcher at KPN research (1989 – 1991) and with Ericsson EuroLab Netherlands (1995 – 2003). From 1998 – 2003 he was part-time senior researcher at the UT, a visiting ass. prof. at the Univ. of California, Irvine (2002) and visiting prof. at INRIA Rocquencourt, Paris (2011). As of September 2020, he is chair of DACS.

Dr. ir. Luuk Spreeuwiers (DMB)

obtained his PhD from UT on “Image Filtering with Neural Networks”. Subsequently he worked at the Int. Inst. for Aerospace and Earth Sciences (ITC) at UT. He worked on 3-D modelling and segmentation of the human heart in MRI at the Image Sciences Inst. of the Univ. Medical Centre in Utrecht, the Netherlands (1999 – 2005). Currently, he is an Ass. Prof. at the DMB where he is the leader of the biometrics sub-group.

Prof. dr. Jurriaan Schmitz (IDS)

received his MSc (1990, with honors) and PhD (1994) degrees in Exp. Physics at the Univ. of Amsterdam on research carried out at the Nikhef research institute. He joined Philips Research as a Senior Scientist (1994 – 2002), studying CMOS transistor scaling, characterization and reliability. In 2002 he became full professor at the UT. He expanded his research to include above-IC technologies, light-from-silicon and recently shifted his research and teaching focus towards the energy transition and photovoltaics. He currently heads IDS.

Prof. dr. ir. Floris Zwanenburg (NE)

As a Full Professor at the UT he chairs an independent research line on quantum electronics within NE. He is co-director of the Center for Quantum Nanotechnology Twente (QUANT). A relatively technical description of his research can be found [here](#).

Prof. dr. ir. Stefano Stramigioli (RAM)

received the M.Sc. with honours (1992) from the Univ. of Bologna and the PhD with honors from the TUD (1998). Since then he is a member of RAM and currently full professor of Advanced Robotics and chair of RAM. He has been an officer of IEEE Robotics and Automation and is an IEEE Fellow. He has been an AdCom member for IEEE RAS and Vice President for Membership of the IEEE Robotics and Automation Society. He was the Vice President for Research of euRobotics and is a recipient of an Advanced ERC grant.

¹ Click the links for additional information on persons or groups

Table E Short Biographies of the Participants, mediors panel

Mediors Panel ¹
<p>Dr. Jasper Reenalda (BSS) is a Human Movement Scientist working as associate professor at BSS, UT, and, till recently, senior researcher at Roessingh Research and Development (cluster Rehabilitation Technology, Research line Analysis of Posture and Movement). Focus of his research is on the analysis of movement in physical rehabilitation and sports. Jasper has been working as a Fulbright visiting professor at the University of Kentucky in Lexington where he performed research and gave lectures.</p>
<p>Dr. ir. Marco Ottavi (CAES) graduated in Electronic Engineering at the Univ. of Rome "La Sapienza", and obtained a doctorate in Telecommunications and Microelectronics Eng. at the Univ. of Rome "Tor Vergata". He was visiting scholar and research associate at Northeastern University in Boston (USA) (2003 – 2007). In 2006 he was visiting research scholar at Sandia National Laboratories in Albuquerque (USA). 2007 – 2009 he was Senior Design Engineer at Advanced Micro Devices (AMD) in Boxborough (USA). In 2009 he joined the Univ. of Rome "Tor Vergata". Since 2014 he has been Assoc. Prof. at the same university. In 2021 he joined CAES as an Assoc. Prof.</p>
<p>Dr. Suzan Bayhan (DACs) had her PhD from Bogazici Univ., Turkey (2012). She is Ass. Prof. at DACs and affiliated with EDGE research center at the UT. She is the Scientific Co-Director of 4TU.NIRICT, board member of Resilience@UT, and was co-organizer of Twente Resilience Meetings & Drinks (2020-2023). Her research aims at understanding, designing, and developing solutions for efficient networking, mostly in the context resource allocation in wireless networks. She was granted (2017) the title of Docent in Computer Science at the Univ. of Helsinki, Finland. 2017 – 2018 she was on N2Women Board as one of the mentoring co-chairs.</p>
<p>Dr. ir. Anne-Johan Annema (ICD) received the MS. (1990) and PhD (1994) degrees in EE from the UT. His doctoral work was on the subject of mathematical analyses and electronic implementations of analog neural networks. In 1995, he joined the Semiconductor Device Architecture Department of Philips Research. In 1997, he joined the Mixed-Signal Circuits and Systems Department at Philips NatLab. His current research interest is in physics, analog and mixed-signal electronics, and deep-submicrometer technologies and their joint feasibility aspects. Since 2000 he is with ICD. He is also part-time consultant in industry and in 2001 he co-founded ChipDesignWorks.</p>
<p>Dr. Françoise Siepel (RAM) received her MSc in Technical Medicine with specialisation Robotics and Imaging in 2010. She obtained her PhD in 3 years and has spent more than 7 years on research. She was awarded approx. 1 million € of personal awards including one PhD and 2 Postdoc grants She has international experience from the University of Bergen, Kings College and more than 5 years at the Stavanger University hospital. In 2016 she joined RAM, where she focuses on medical technology and especially image guided robotic interventions.</p>
<p>¹ Click the links for additional information on persons or groups</p>

Table F Short Biographies of the Participants, juniors panel**Juniors Panel¹****Dr. ir. Kirsten Pondman (AMBER)**

studied Biomedical Engineering. She received her PhD (cum laude) in 2014 and is currently Ass. Prof. in the AMBER group. She has been a researcher in molecular diagnostics & sector coordinator KCL in the St. Jansdal hospital, Harderwijk (2015 – 2018). In 2022, she received a Veni grant worth 280 k€ from the Dutch Research Council (NWO). She uses this grant to study the role of the immune system in the spread of malignant tumours. The grant is intended for recent PhD graduates to further develop their ideas over the course of three years.

Dr. Arlene John (BSS)

is an ass. prof. at BSS. She completed her PhD at the School of Electrical and Electronic Engineering, Univ. Col. Dublin, Ireland in 2022. Her research topic focussed on the development of data fusion frameworks for wearable health monitoring devices. From March – June 2019, she was a Senior Visiting Researcher at the Beijing Univ. of Techn., Beijing, China. She also worked as a Machine Learning Intern with Qualcomm Cork, Ireland in 2021. After her PhD, she worked as Machine Learning Mathematics Engineer at ASML Netherlands B.V. until April 2023.

Dr. Harijot Singh Bindra (ICD)

is ass. prof. in the ICD group. He earned his MSc from the Indian Institute of Technology, Delhi (2012) and his PhD from the UT (2019). In 2022 he was awarded a VENI grant from the Dutch Research Council.

Dr. ir. Dennis Alveringh (IDS)

is an ass. prof. in the IDS group where he works on MEMS based (flow) sensors and fabrication technology. He earned his PhD from the UT (2018). He also worked for Salland Engineering (Europe) B.V. as test/development engineer (2018 – 2020) and research scientist (2019 – 2022).

Dr. Joost Ridderbos (NE)

got his MSc degree in nanoelectronics in 2013 and his PhD in 2017, both from the UT. He has been a postdoctoral researcher at the univ. of Basel, Switzerland (2021 – 2023) before becoming an ass. prof. in the NE group.

Dr. ir. Tom Hartman (PE)

earned his PhD from the UT (2022) on the subject of electromagnetic compatibility for which he works within the MeterEMI framework involved with interference on smart meters. His studies have reported serious errors in some smart meters when exposed to interference of the type caused by some home appliances. In his research he tries to identify the extend of smart meter interference cases and the underlying cause, ultimately solving and preventing such interference cases. He is also involved in the design of a course called “EMC on tour”, which is a small and interactive course aimed at practitioners and university of applied sciences in the Netherlands that would like an introductory guest lecture (series) on EMC.

Dr. ir. Vincent Groenhuis (RAM)

has an MSc in Embedded Systems and a PhD in medical robotics, both cum laude at UT. His research primarily focuses on image-guided medical robotics, for bladder cancer diagnosis and MRI-guided breast biopsy. Additionally he researches pneumatic and electric stepper motors with various properties. He has several patents from which two spin-offs were launched: Machnet Medical Robotics and MultiMotor.

Dr. Sujith Raman (RS)

earned his PhD from Cochin University of Science and Technology, Kerala, India (2012). He subsequently worked as postdoctoral researcher at Wisar Lab (2012 – 2013), Uppsala Univ. (2013 – 2015), EPFL as Marie Curie fellow (2021 – 2023) and is ass. prof. in RS since 2023.

Dr. ing. Anastasia Lavrenko (RS)

has a background in radio systems engineering and her main research interests are in signal processing and parameter estimation for wireless systems, particularly in application to radio localisation and tracking. She received her PhD (cum laude) in EE (signal theory) in the area of sub-Nyquist sampling of sparse analog signals at Ilmenau Univ. of Techn., Germany (2018). Before joining RS as ass. prof. (2020), she spent two years as a postdoctoral researcher at Scion (New Zealand Forest Research Institute) and the Wireless Research Centre at the University of Canterbury in New Zealand developing a harmonic radar system for real-time tracking of flying insects with unmanned aerial vehicles.

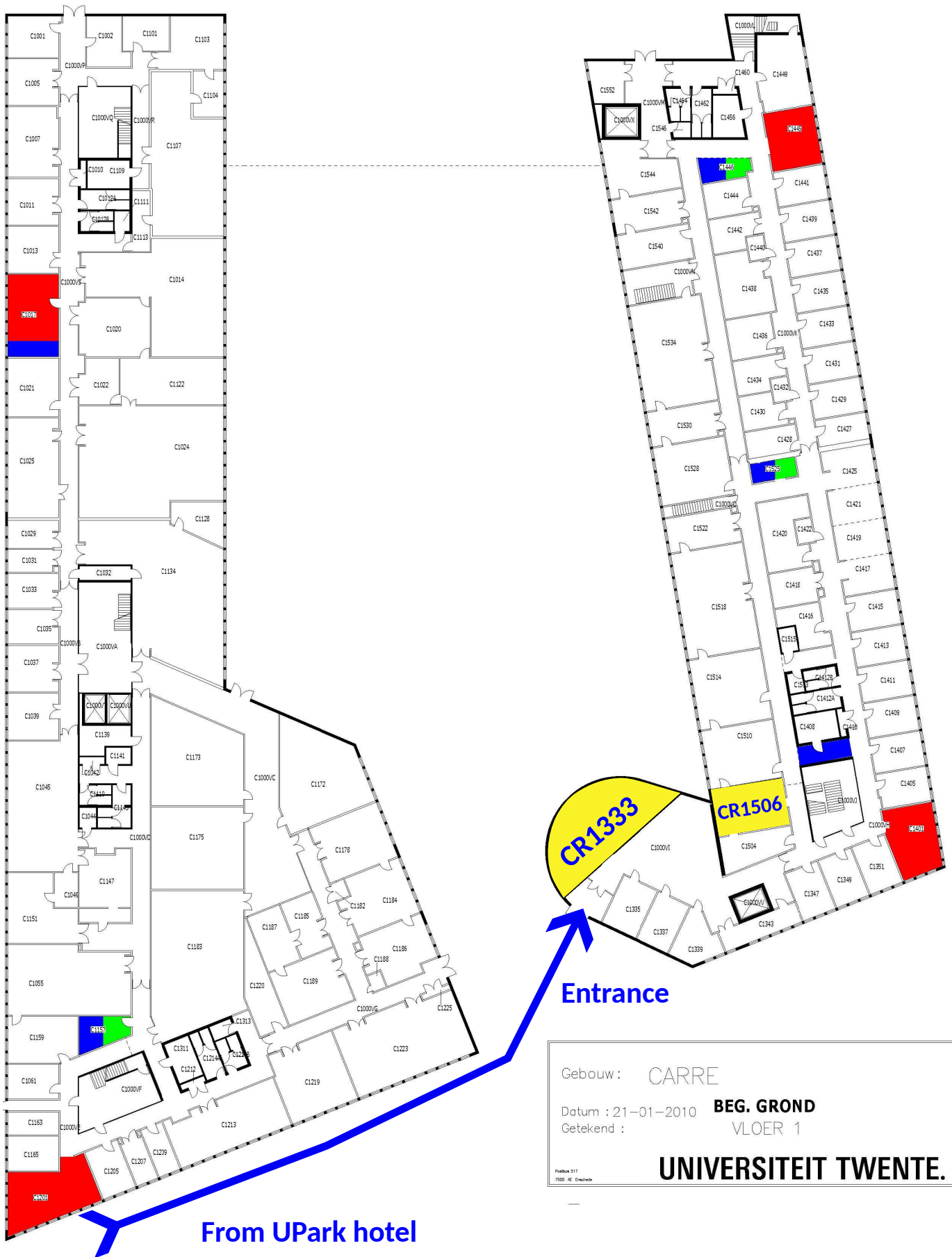
¹ Click the links for additional information on persons or groups

Table G Short Biographies of (alumni) PhD panel

(Alumni) PhD's Panel ¹
<p>Ir. Lysanne Mol (AMBER) developed her interest in lab-on-chip systems during her minor and BSc assignment in Biomedical Engineering. In the MSc program she further specialised in microfluidics, organ-on-chip systems, and optics. During her MSc assignment, she focused on designing a lung-on-chip device suitable for testing the health effects of human exposure to micro- and nanoplastics in the air. Her PhD research is on this same topic.</p>
<p>Dr. ir. Frauke Luft, Alumnus (BSS) is interested in physiology, especially cardiology, neurophysiology and rehabilitation, movement analysis and imaging technologies, such as electroencephalography (EEG) and functional magnetic resonance imaging (fMRI). Currently she is working at Finapres Medical Systems B.V. as a clinical research specialist.</p>
<p>Dr. ir. Kees van Dijk, Alumnus (BSS) got his PhD in March 2018 and is currently working with Demcon.</p>
<p>Syllas Rangel Carneiro Magalhaes, MSc (DACS) received the M.Sc. degree in wireless communications from the Universidade Federal do Ceará (UFC)–Sobral, Sobral, Brazil, in 2020. Currently, he is pursuing a PhD degree with the DACS group of EEMCS, UT. His research interests include mobile communications systems, signal processing, nonlinear systems, and optimisation.</p>
<p>Ir. Melissa Tijink (DMB) She received her MSc degree in EE, with honours, in 2022, while at the same time receiving her MSc in “Educatie en communicatie in de bètawetenschappen”, also with honours. She is a licensed teacher (1st and 2nd levels) in Mathematics and been an active member of the EE study association Scintilla.</p>
<p>Dr. Meiru Mu, MSc, Alumnus (DMB) Received her MSc from the Beijing Jiaotong University. She has a PhD in Biometrics. Her expertise is in Signal Processing, Computer Vision, Pattern Recognition, and Machine Learning. She is experienced in Data Science and AI community support.</p>
<p>Ir. Stef van Zanten (ICD) High school physics teacher. Coordinator of the Student-For-A-Day Mentors of the BSc and MSc programmes at the EEMCS, UT. MSc in EE with specialisation in Integrated Circuit Design and Technology, Microwave Engineering and Telecommunication Electronics (with honours) in 2020.</p>
<p>Ir. Maarten Bonnema (IDS) After finishing his MSc degree in EE, he is currently pursuing a PhD in the field of Micro-electromechanical systems. He specialises in the design, microfabrication, and characterisation of microfluidic sensor systems. The sensor systems he works on are all silicon wafer based, enabling further downscaling and on-chip integration.</p>
<p>Ir. Dennis van der Bovenkamp (NE) obtained the MSc degree in EE in 2022 and is currently working towards a PhD in the NE group.</p>
<p>Ir. Anand Iyer (PE) received his MSc (cum laude) in EE (Electrical Power Eng.) from TUD. He worked at Lightyear on the design optimisation of the drive-inverter. His PhD is on the model-based design-optimisation of power converters.</p>
<p>Dr. ir. Hengameh Noshahri, Alumnus (RAM) obtained her MSc degree from the UT in 2016. From 2017 - 2022 she worked on her PhD and recently defended the thesis entitled “Dramatic voids and how to find them - In-pipe condition assessment of sewer pipes”. Currently she is a project engineer with Witteveen & Bos.</p>
<p>Dr. ir. Frieda van den Noort, Alumnus (RAM) has her research focus on improving understanding of the female pelvic floor. By automatic image analysis useful information can be extracted from pelvic floor ultrasound and MRI images to study large patient populations, enabling more personalised biomechanical pelvic floor analysis and improve patient treatment.</p>
<p>Andrei Mogilnikov, MSc (RS) Has been developing methods to improve the accuracy of predicting the propagation of radio waves in an inhomogeneous atmosphere and has worked on design and testing of HF filters and multiplexers for communication satellites. Since 2019 he is working on his PhD.</p>
<p>Dr. Ibrahim Bilal, Alumnus (RS) got his PhD in 2017. His career and education path was driven by his passion to solve complex problems. Combining academic and applied research, he developed hard and soft skills and learnt the balance between applied and theoretical research in high-tech. He is with Movella as research engineer and team leader.</p>

¹ Click the links for additional information on persons or groups.

Map Carré Floor 1



CR1333

CR1506

Entrance

From UPark hotel

Gebouw :	CARRE
Datum :	21-01-2010
Getekend :	BEG. GROND
	VLOER 1
UNIVERSITEIT TWENTE.	

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