

AI&ES OVERVIEW: DEPARTMENTS, RESEARCH GROUPS AND TRACKS 2025-2026

This overview offers an indication of the overall orientation and expertise of a research group in a specific track (pink blocks for each track). Any thesis supervisor who is associated with a research group from the list can supervise a student who is enrolled in any track within the AI&ES master program, irrespective whether the research group is colored pink for the Track the students follows. This list is not exhaustive.

Department	Research group	Tracks						Research group secretariat email address
		1 High-Tech Systems & Robotics	2 Mobility	3 Healthcare	4 Smart cities & Energy Systems	5 Science & Discovery	6 Manufacturing systems	
Electrical Engineering (EE)	Control Systems							secretariaat.cs@tue.nl
	Electrical Energy Systems							secretariaat.ees@tue.nl
	Electromagnetics							f.c.j.kuijlaars@tue.nl
	Electromechanics and Power Electronics							secretariaat-epe@tue.nl
	Electronic Systems							secretariaat.es@tue.nl
	Electro-optical Communication							secretariaat.eco@tue.nl
	Integrated Circuits							m.v.d.heuvel@tue.nl
	Photonic Integration							secretariaat.phi@tue.nl
	Signal Processing Systems (BIASlab)							ibi.secreesps@tue.nl
	Signal Processing Systems (BM/d lab)							bmd.secreesps@tue.nl
	Signal Processing Systems (ICT Lab)							ibi.secreesps@tue.nl
	Signal Processing Systems (AIMS Lab)							aam.secreesps@tue.nl
	Signal Processing Systems (ARIA Lab)							aam.secreesps@tue.nl
Signal Processing Systems (MPS Lab)							aam.secreesps@tue.nl	

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Mechanical Engineering (ME)	Control Systems Technology							cst@tue.nl
	Dynamics and Control							secretariat.dc@tue.nl
	Energy Technology and Fluid Dynamics							l.j.m.essink@tue.nl
	Mechanics of Materials							aj.j.t.litsenburg@tue.nl
	Microsystems							microsystems@tue.nl
	Power and Flow							m.beekmans@tue.nl
	Processing and Performance of Materials							j.m.a.v.d.pasch@tue.nl
	Robotics							rbt@tue.nl
Biomedical Engineering (BmE)	Cardiovascular Biomechanics							aj.j.t.litsenburg@tue.nl
	Chemical Biology							a.m.j.verhaag@tue.nl
	Computational Biology							bme.seccbioimage@tue.nl
	Medical Image Analysis							h.j.e.m.jansen@tue.nl
	Molecular Machine Learning							ICMS@tue.nl
	Photo Acoustics and Ultrasound Laboratory							a.j.j.t.litsenburg@tue.nl

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Built Environment (BE)	3D Concrete Printing							secretariaat.sd@tue.nl
	Applied Mechanics and Design							secretariaat.sd@tue.nl
	Building Acoustics							secretariaat.bps@tue.nl
	Building Performance							secretariaat.bps@tue.nl
	Building Services							secretariaat.bps@tue.nl
	Information Systems in the Built Environment							usre@tue.nl
	Real Estate and Urban Development							usre@tue.nl
	Smart Architectural Technologies							usre@tue.nl
	Steel Structures							secretariaat.sd@tue.nl
	Urban Planning and Transportation							usre@tue.nl

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Applied Physics and Science Education (APSE)	Elementary Process in Gas Discharges							a.m.e.h.peeters@tue.nl
	Fluids and Flow							m.j.a.m.rodenburg@tue.nl
	Molecular Materials and Nanosystems							m.gordon-buteijn@tue.nl
	Materials Simulations and Modeling							m.j.a.m.rodenburg@tue.nl
	Science and Technology of Nuclear Fusion							secretary.fusion@tue.nl
	Soft Matter and Biological Physics							secretariat.smb@tue.nl
Industrial Engineering & Innovation Sciences (IE&IS)	Information Systems							is@tue.nl
	Operations, Planning, Accounting and Control							opac@tue.nl
Mathematics and Computer Science (M&CS)	Interconnected Resource-aware Intelligent Systems							wsinsan@tue.nl
	* Process analytics							c.w.j.v.d.moosdijk@tue.nl

** Process analytics – for projects published on the AI&ES Market Place only*