

FACULTY OF SCIENCE, TECHNOLOGY AND MEDICINE
DOCTORAL PROGRAMME IN COMPLEX SYSTEMS SCIENCE

Professors, Associated Professors, Assistants-Professors, Affiliated Professors
Researchers with supervision rights

16-Dec-24

Supervisor		Entity	Discipline	Field of Research
Lars BEEB	LARS.BEEB@UNI.LU	FACULTY OF SCIENCE, TECHNOLOGY AND MEDICINE	Sciences de l'Ingénieur	Computational mechanics, Fibrous materials, Discrete models, Multiscale methods, Quasicontinuum method
Enrico BENETTO	ENRICO.BENETTO@EXT.UNI.LU	LIST LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	Sciences de l'Ingénieur	Sustainability Assessment, Life Cycle Assessment, Computational Sustainability
Stéphane BORDAS	STEPHANE.BORDAS@UNI.LU	FACULTY OF SCIENCE, TECHNOLOGY AND MEDICINE	Sciences de l'Ingénieur	Computational Mechanics Fracture Mechanics Finite Element Methods and Advanced Discretisation Techniques Multi-scale Methods in Structural Mechanics Model Reduction Methods
Marco CHINI	MARCO.CHINI@EXT.UNI.LU	LIST LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	Sciences de l'Ingénieur	Advanced analysis of remote sensing data from passive and active sensors
Hector Marcelo FERNANDEZ LAHORE	MARCELO.FERNANDEZLAHORE@EXT.UNI.LU	LIST LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	Sciences de l'Ingénieur	Biotechnology
Gaetano GIUNTA	GAETANO.GIUNTA@EXT.UNI.LU	LIST LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	Sciences de l'Ingénieur	Aerospace Engineering, Structural mechanics, Composite materials, Computational mechanics.
Enrico GLAAB	ENRICO.GLAAB@UNI.LU	Luxembourg Centre for Systems Biomedicine	Sciences Exactes et Naturelles	bioinformatics, computational biology, biostatistics, machine learning
Jorge GONCALVES	JORGE.GONCALVES@UNI.LU	Luxembourg Centre for Systems Biomedicine	Sciences Exactes et Naturelles	Systems biology, modelling, time-series, dynamical systems, control systems, AI, machine learning
Jorge GONCALVES	JORGE.GONCALVES@UNI.LU	Luxembourg Centre for Systems Biomedicine	Sciences de l'Ingénieur	Systems biology, modelling, time-series, dynamical systems, control systems, AI, machine learning
Jack HALE	JACK.HALE@UNI.LU	FACULTY OF SCIENCE, TECHNOLOGY AND MEDICINE	Sciences de l'Ingénieur	computational sciences, numerical analysis, finite element methods, numerical methods for assessing models, inverse problems involving partial differential equations
Andreas HUSCH	ANDREAS.HUSCH@UNI.LU	Luxembourg Centre for Systems Biomedicine	Sciences de l'Ingénieur	data science; machine learning; computer vision; medical image analysis; computer aided surgery; engineering in medicine and biology
Jürgen JUNK	JUERGEN.JUNK@EXT.UNI.LU	LIST LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	Sciences Exactes et Naturelles	Meteorology Geography Climatology ANN Air Quality
Yao KOUTSAWA	YAO.KOUTSAWA@EXT.UNI.LU	LIST LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	Sciences de l'Ingénieur	Computational solids mechanics; Composite materials and structures; Computational micromechanics
Christophe LEY	CHRISTOPHE.LEY@UNI.LU	FACULTY OF SCIENCE, TECHNOLOGY AND MEDICINE	Sciences Exactes et Naturelles	Statistical Modelling, Machine Learning, Directional Statistics, Stein's Method, Sport analytics, Interdisciplinary research (focus on medicine, biology, engineering, renewable energies, psychology)
Kaniska MALLICK	KANISKA.MALLICK@EXT.UNI.LU	LIST LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	Sciences Exactes et Naturelles	Remote sensing of vegetation, drought and water stress; ecohydrological controls of water flux partitioning.
Nuria MARTINEZ CARRERAS	NURIA.MARTINEZ@EXT.UNI.LU	LIST LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	Sciences Exactes et Naturelles	catchment hydrology, tracer hydrology, sediment transport
Antonino MARVUGLIA	ANTONINO.MARVUGLIA@EXT.UNI.LU	LIST LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	Sciences de l'Ingénieur	Life Cycle Assessment, Sustainable buildings
Patrick MATGEN	PATRICK.MATGEN@EXT.UNI.LU	LIST LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	Sciences de l'Ingénieur	Hydrology, rivers, hydrological modelling, hydraulic modelling, remote sensing, microwave remote sensing, data assimilation, environmental engineering, rainfall runoff modelling, flood modelling
Bernhard PETERS	BERNHARD.PETERS@UNI.LU	FACULTY OF SCIENCE, TECHNOLOGY AND MEDICINE	Sciences de l'Ingénieur	Dynamique des fluides - thermodynamique et combustion - matériaux granulaires - simulation (CFD)
Laurent PFISTER	LAURENT.PFISTER@EXT.UNI.LU	LIST LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	Sciences de l'Ingénieur	
Thomas SCHAUBROECK	THOMAS.SCHAUBROECK@EXT.UNI.LU	LIST LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	Sciences de l'Ingénieur	Life-Cycle Assessment Sustainable Aquaculture Anammox Water and Wastewater Treatment Ecological Network Analysis
Martin SCHLERF	MARTIN.SCHLERF@EXT.UNI.LU	LIST LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	Sciences Exactes et Naturelles	Remote sensing; Earth Observation; Canopy radiative transfer modelling; Hyperspectral; Thermal; Unmanned Aerial Vehicles; Vegetation monitoring; crop water stress; forest disturbance; crop nitrogen status
Stanislaus SCHYMANSKI	STANISLAUS.SCHYMANSKI@EXT.UNI.LU	LIST LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	Sciences de l'Ingénieur	eco-hydrology, plant ecophysiology, environmental physics, data science
Mauro SULIS	MAURO.SULIS@EXT.UNI.LU	LIST LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	Sciences de l'Ingénieur	Hydrology Hydrological Modeling Surface Water Water Resources Management Hydrologic and Water Resource Modeling and Simulation
Sajad TABIBI	SAJAD.TABIBI@UNI.LU	FACULTY OF SCIENCE, TECHNOLOGY AND MEDICINE	Sciences de l'Ingénieur	Global Navigation Position System Reflectometry (GNSS-R) for geophysical parameters retrievals
Nicolas TITEUX	NICOLAS.TITEUX@EXT.UNI.LU	LIST LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	Sciences Exactes et Naturelles	
Ivonne TREBS	IVONNE.TREBS@EXT.UNI.LU	LIST LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	Sciences Exactes et Naturelles	Air Quality, Biometeorology, Micrometeorology

Christian VINCENOT	CHRISTIAN.VINCENOT@UNILU	FACULTY OF SCIENCE, TECHNOLOGY AND MEDICINE	Sciences de l'Ingénieur	Complex Systems Science, Ecology, Conservation Biology, Computational Simulations, System Dynamics, Agent-based Modelling, Hybrid Modelling, Mammalogy, Embedded Systems, IoT
Francesco VITI	FRANCESCO.VITI@UNILU	FACULTY OF SCIENCE, TECHNOLOGY AND MEDICINE	Sciences de l'Ingénieur	Transportation modelling; Network Modelling; Simulation; Planning and Management; Mobility analysis; Logistics; Model based and Data driven Models; Agent based Modelling
Carlos Eduardo WETZEL	CARLOS.WETZEL@EXT.UNILU	LIST LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	Sciences Exactes et Naturelles	
Andreas ZILIAN	ANDREAS.ZILIAN@UNILU	FACULTY OF SCIENCE, TECHNOLOGY AND MEDICINE	Sciences de l'Ingénieur	Solid and Fluid Mechanics, Structural Analysis, Structural Dynamics, Fluid-Structure Interaction, Analytical and Computational Mechanics, Numerical Methods