

Area	Sub areas	
Aerospace Engineering	Aerospace Structures	
	Flight Dynamics	
	Control Systems and Aeroelasticity	
	Propulsion	
	Aerodynamics	
Bioengineering	Biomaterials and Biotribology	
	Implants, Orthoses and Prostheses	
	Biofluids Dynamics e Bioheat Transfer	
	Biorobotics and Artificial Intelligence	
	Biomechanics	
	Medical Devices	
Combustion	Combustion, Pyrolysis and Gasification of Solids and Liquids	
	Chemical Kinetics and Modeling	
	Diagnostics	
	Fire Science and Technology	
	Gas Turbine and Rocket Engine Combustion	
	Internal Combustion Engines	
	Laminar Flames	
	Other Concepts on Combustion	
	Solid Fuel Combustion	
	Soot, Nanomaterials, and Large Molecules	
	Spray, Droplet, and Supercritical Combustion	
	Stationary Combustion Systems and Control of Greenhouse Gas Emissions	
	Turbulent Flames	
	Emissions	
Dynamics, Control, Vibrations and Acoustics	Dynamics of Mechanical Systems	
	Control of Mechanical Systems	

	Structural dynamics and vibrations	
	Acoustics and vibroacoustics	
	Smart structures	
	Nonlinear dynamics	
	Vehicle dynamics	
	Multibody systems	
	Rotordynamics	
Energy and Thermal Systems	Thermodynamics and Thermal Systems	
	Thermo-Economic Analysis and Energy Policy	
	Computational Intelligence Applied to Thermal Systems	
	Renewable Energy	
	Applied Heat and Mass Transfer	
	Heat and Mass Transfer Fundamentals	
	Nuclear Energy	
	Numerical Heat Transfer	
Engineering Design	Design Education	
	Design Process, Methodology, Methods, and Tools	
	Case Studies and Industrial Experiences in Engineering	
	Design Creativity and Innovation in Engineering Design	
	Design for "X" (Sustainability, Customization, Logistic, and other)	
	Engineering Design + AI and Industry 4.0	
	Product and Project Management	
	Reliability and Maintainability	
Engineering Education	Teaching and Learning in Future Engineering Education	
Fluid Mechanics	Computational Fluid Dynamics	
	Instrumentation and Experiments	

	Theoretical and Analytical Modeling	
	Multi-phase Flow	
	Rheology and Non-Newtonian Fluid Mechanics	
	Industrial Applications and Turbomachinery	
	Flow Induced Vibration	
Fracture, Fatigue, and Structural Integrity	Fatigue	
	Fracture	
	Pipelines and Pipes	
	Pressure Vessels	
	Structural Integrity	
Heating, Ventilation, Air-Conditioning and Refrigeration	Refrigeration	
	Air-conditioning	
	Ventilation	
	Heating	
Materials and Manufacturing Engineering	Additive Manufacturing	
	Processes with Material Removal	
	Metallurgical Processes	
	Union and Assembly Processes	
	Materials Characterization and Processing	
	Tribology	
	Manufacturing Management	
	Metrology, Inspection, and Quality Control	
Mechatronics and Automation	Computer Vision	
	Control Systems	
	Industrial Informatics, Discrete and Hybrid Systems	
	Artificial Intelligent Applications	
	Fluid Power Systems	

	Assistive Technologies	
	Robotics and Mechanisms	
	Sensors and Actuators	
Nano and Microfluidic and Micro-Systems	Micro and Nanofluidics	
	Heat and Mass Transfer in Micro and Nano scales	
	Micro and Nanofabrication	
Non-linear Phenomena	Numerical methods	
	Applications of Nonlinear Systems in Engineering	
	Chaos and its Applications	
	Complex Systems in Engineering	
	Experimental Methods in Nonlinear Phenomena	
	Identification of Nonlinear Systems	
	Inverse Problems in Nonlinear Phenomena	
	Nonlinear Mechanics	
	Stochastic Methods for Nonlinear Systems	
	Synchronization and Complex Networks	
Offshore and Petroleum Engineering	Offshore and Petroleum Engineering	
Smart Materials and Structures	Active and Passive Structures	
	Bioinspired Systems	
	Magnetic Materials	
	Nonlinear Dynamics of Smart Systems	
	Piezoelectric Materials	
	Shape Memory Alloys	
	Smart Systems	
Solid Mechanics	Structural Statics and Dynamics	

	Wave Propagation	
	Fatigue and Failure Analyses	
	Composite Materials and Structures	
	Elasticity, Plasticity, Damage and Fracture Mechanics: Models, Experiments and Applications	
	Viscoelasticity and Viscoplasticity: Models, Experiments and Applications	
	Impact Engineering	
	Structural Reliability Methods and Reliability-Based Design Optimization	
	Optimization of Materials, Fluids and Structures	
	Numerical Methods: FEM, XFEM, GFEM, BEM and other methods	
	Nonlinear Analyses: Buckling, Post-Buckling and Contact Analyses	
Uncertainty Quantification and Stochastic Modeling	Bayesian, Fuzzy, and Interval Methods	
	Probabilistic Modelling and Analysis, Simulation, and Soft Computing	
	Risk Analysis and Risk Management	
	Uncertainty Identification, Quantification, and Reduction	
	Industrial Application of Uncertainty Quantification	