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Research interest: Theoretical and numerical heat and fluid flow, thermodynamics, renewable energy

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Research interest: Internal combustion engine, thermodynamics, renewable energy

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Research interest: Thermodynamics, fuel and combustion, renewable energy

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Research interest: Thermodynamics, turbomachinery

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Research interest: Fluid dynamics, turbomachinery

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Research interest: Turbomachinery, numerical methods, computational heat and fluid flow

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Research interest: Hydraulic and pneumatic, tribology

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Research interest: Thermoacoustic, computational heat and fluid flow, thermal management of microdevices

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Research interest: Combustion, heat transfer, high speed flow

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Research interest: Computational fluid dynamics, fluid structure interaction, biomechanical

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Research interest: Computational solid mechanics, thermodynamics, heat transfer, biomechanical

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Research interest: Experimental fluid dynamics, compressible flow

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Research interest: Metal forming, tribology

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Research interest: Computational heat and fluid flow, numerical methods

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Research interest: Thermodynamics, compressors

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Research interest: Thermodynamics, automotive air-conditioning system

Department of Applied Mechanics

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Research interest: Hollow Sphere Composites

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Research interest: Noise and Vibration

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Research interest: Fatigue and Fracture Mechanics, Computational Solid Mechanics

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Research interest: Structural Dynamics and Vibration

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Research interest: Non-linear System Modelling and System Identification, Vehicle Dynamics and Intelligent Systems

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Research interest: Active Force Control, Robotics, Mechatronics and Intelligent Systems

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Research interest: Pressure Vessel and Piping System Design, Structural Mechanics, Experimental Stress Analysis

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Research interest: Applied Mechanics, Mechanical Testing

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Research interest: Advanced Composites

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Research interest: Offshore Structures, Reliability, Applied Mechanics

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Research interest: System Identification and Control

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Research interest: Fatigue, Frature Mechanics and Metallurgy

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Research interest: Advanced Composite Materials, Applied Mechanics

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Research interest: Artificial Intelligence and Active Vibration Control

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Research interest: Impact Mechanics on Composite Materials

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Research interest: Impact on Composite Materials and Pressure Vessel

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Research interest: Mechatronics Design, Industrial Automation and Robotics

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Research interest: Applied Mechanics

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Research interest: Applied Mechanics, Engineering Design, System Integration

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Research interest: Automation and Mechatronics

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Research interest: Acoustics, Machine Condition Monitoring

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Research interest: Biomedical Instrumentation, Mechatronics

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Research interest: Structural Impact, Thin-walled Structures, Crashworthiness

Department of Marine Technology

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Research interest: Marine Transport – Inland waterways

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Research interest: Ship dynamics, stability and design

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Research interest: Naval Architecture and Marine Engineering

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Research interest: Fishing boat design; marine transportation system modelling

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Research interest: Seakeeping and Ship Design

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Research interest: Naval Architecture and Offshore Structures

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Research interest: Naval Architecture, ship hydrodynamics

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Research interest: Ship Dynamics and Offshore Engineering

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Research interest: Naval Architecture and Environmental Engineering

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Research interest: Turbomachinery, Hydraulic Machines, Heat Transfer, Internal Combustion Engine

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Research interest: Engineering Design/Automotive Transmission (CVT)

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Research interest: Vehicle Dynamic

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Research interest: Diesel Combustion, Emission, Alternative fuels

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Research interest: Finite Element, Structural Dynamic, Noise & Vibration

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Research interest: Semi-active Suspension Design for Automotive,
Magnetorheological damper

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Research interest: Vehicle Dynamics, Body Structure, Suspensions, Road Loads

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Research interest: Combustion, solid rocket propulsion

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Research interest: Avionics, antenna and propagation

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Research interest: Aerospace propulsion

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Research interest: Flight dynamics and control/ wind tunnel testing

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Research interest: Computer fluid dynamics, gas turbine combustion

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Research interest: Finite element method, computational structural mechanics, composite materials

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Research interest: Aircraft design, aircraft structures

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Research interest: Aerodynamics, FEM, fire research

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Research Interest: Ferrous metallurgy, surface coating, corrosion

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Research Interest: Surface engineering, composites

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Research Interest: Casting, composites, solder metallurgy

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Research Interest: Materials engineering

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Research Interest: Casting and composites

Department of Manufacturing and Industrial Engineering

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Research interest: High speed machining, plastic technology

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Research interest: Industrial engineering applications, industrial automation system, Robotics, CIM

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Research interest: Quality engineering

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Research interest: Quality engineering, industrial engineering

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Research interest: Manufacturing engineering

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Research interest: ergonomics, safety management

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Research interest: manufacturing engineering

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Research interest: New product development

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Research interest: Machining, precision engineering

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Research interest: Manufacturing management

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Research interest: DFA/DFM, Sustainable product design, life cycle assessment, life

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Research interest: Casting technology, quality system

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Research interest: CAD/CAM DFA/DFM

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Research interest: Industrial design

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Research interest: CAD, virtual reality

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Research interest: Industrial Design, Agricultural Machinery Design, Product Design, Furniture Design

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Research interest: Joint replacement, Biomechanics, Bio-tribology

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Research interest: CAD, CAE

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Research interest: Engineering design

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