

DANISH CENTER FOR APPLIED MATHEMATICS AND MECHANICS

ANNUAL REPORT
2020



TECHNICAL UNIVERSITY OF DENMARK -
AALBORG UNIVERSITY - AARHUS UNIVERSITY -
UNIVERSITY OF SOUTHERN DENMARK

DANISH CENTER FOR APPLIED MATHEMATICS AND MECHANICS

Scientific Council as of January 2021

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Jens Nørkær Sørensen	DTU Wind Energy
Mads Peter Sørensen	DTU Compute
Sine Leergaard Wiggers	Dept. of Mechanical and Electrical Engineering, SDU

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Associate Professor Niels Leergaard Pedersen

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FOREWORD

This annual report for the year 2020 is comparable short relative to previous years due to the Corona situation. The format is to report on DCAMM seminars given and guests at the cooperating departments. In 2020 there were no DCAMM seminars, but the purpose of the report is still to serve as a reference and documentation for accomplished activities. Detailed information is available on our homepage: www.dcammm.dk and on the homepages of the cooperating departments and universities.

In 2020 a total of 7 PhD courses were given in the auspices of DCAMM. All the details are available at the DCAMM webpage.

As of January 1st 2021, the departments cooperating in DCAMM are:

from the **Technical University of Denmark:**

DTU Civil Engineering

DTU Compute

DTU Mechanical Engineering

DTU Wind Energy

from **Aalborg University:**

Department of the Built Environment (BUILD)

Department of Materials and Production

Department of Mathematical Sciences

from **Aarhus University**

Department of Civil and Architectural Engineering

Department of Mechanical and Production Engineering

from **University of Southern Denmark**

Department of Mechanical and Electrical Engineering

I thank all the members of DCAMM and our international contacts for their support and inspiration, and I look forward to starting-up the collaboration again in 2021.

Niels Leergaard Pedersen

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1. MEMBERS 2020

62 professors
246 scientific members
150 PhD students

} at the nine cooperating departments at the Center

28 elected members
4 foreign members

(A complete list of names is given in the Appendix).

2. FOREIGN MEMBERS

Professor John W. Hutchinson
Division of Applied Sciences
Harvard University, 315 Pierce Hall
29 Oxford St.
Cambridge, MA 02138
USA

Professor Ole Secher Madsen
Ralph M. Parsons Laboratory
Massachusetts Institute of Technology
Cambridge, MA 02139
USA

Professor Alan Needleman
Department of Materials Science & Engng.
Texas A&M University 3003
College Station
TX 77843-3003
USA

Professor S. Nemat-Nasser
Jacobs School of Engineering
University of California, San Diego
4209 Engineering Building 1
9500 Gilman Drive
La Jolla, CA 92093-0416
USA

3. GUESTS FOR EXTENDED PERIODS IN 2020 (more than a fortnight)

Guest professors & post docs:

Andrzejewski, Jacek, Poznan University of Technology, Poland, 1.3.20 – 1.7.20

Assis da Silva, Gustavo, State Univ. of Santa Catarina (UDESC), Brazil, 1.2.20 – 31.3.20

Fabro, Hanna, Germany, 1.2.20 – 28.2.21

Goutianos, Stergios, NTNU, Norway, 1.10.20 – 1.12.20

GüLer, Hasan Gökhan, Metu, Turkey, 15.11.20 – 15.11.21

Kümmerlin, Jana, Germany, 1.2.20 – 28.2.21

Majidi, Sima, University of Tabriz, Iran, 16.4.20 – 16.10.20

Moshiri, Mandana, LEGO, Denmark, 1.10.20 – 1.11.23

Mulser, Tobias, TU Munich, Germany, 1.3.20 – 31.8.20

Qin, Huibin, China, 15.9.20 – 14.9.21

Zhang, Maorong, China, 1.12.20 – 30.11.22

PhD students

Ahmadvashaghbash, Sina, KU Leuven, Belgium, 1.2.20 – 31.3.20

Barbier, Tobias, KU Leuven, Belgium, 3.3.20 – 3.6.20

Barbosa, Jefferson Silva, Universidade Federale de Uberlandia, Brazil, 9.11.20 – 29.10.21

Chander, Divyaksh, India, 1.2.20 – 30.6.20

Cudicio, Alessandro, Italy, 15.1.20 – 15.4.20

Diezel, Jan Marcus, Bergen University, Norway, 7.9.20 – 5.10.20

Du, Yanjun, Xi'An Jiaoton University, China, 10.12.20 – 10.12.21

Fazlali, Babak, KU Leuven, Belgium, 1.2.20 – 31.3.20

Gao, Luyao, China, 17.9.20 – 17.2.20

Kale, Vaishnavi B., University of Alberta, Canada, 1.2.20 – 31.3.20

Kuo, Yu Hsin, National Chung Cheng University (CCU), Taiwan, 1.1.20 – 31.12.20

Li, Chen, Dalian University of Technology, China, 31.1.20 – 30.1.21

Monastyreckis, Gediminas, Kaunas University of Technology, Lithuania, 3.2.20 – 15.6.20

Riquelme, Diego Edgardo Becerra, Universidad de Concepcion, Chile, 7.2.20 – 13.3.20

Rizzardi, Andrea, Italy, 15.1.20 – 15.4.20

Siiskonen, Maria, Chalmers, Sweden, 6.1.20 – 8.5.20

Xie, Qiancheng, Luleå Universi of Technology, Sweden, 1.3.20 – 31.5.20

Yang, Peng, China, 1.2.20 – 28.2.21

Zhang, Jinhao, Huazhong University of Science, China, 2.11.20 – 1.11.21

4. ACTIVITY AT THE DEPARTMENTS

SDU, Department of Mechanical and Electrical Engineering/ Institut for Mekanik og Elektronik

2020 has in many ways been a special year also for the DCAMM members at SDU. In February 2020 the Centre for Industrial Mechanics (CIM) in Sønderborg was established.

In August 2020 the structure of the Technical Faculty at SDU was revised, creating a new fifth department and moving several units from one department to another.

Hereby the SDU members of DCAMM became part of the new Department of Mechanical and Electrical Engineering (IME) with Thomas Buhl as the head of department. In the reorganization CIM together with the Centre for Industrial Electronics (CIE) became a part of IME.

The Department of Mechanical and Electrical Engineering collects the units in the fields of mechanics, electronics, and mechatronics. The department is present in Odense with SDU Mechanical Engineering and SDU Electrical Engineering, and in Sønderborg with Centre for Industrial Mechanics, Centre for Industrial Electronics, and the Section of Mechatronics.

Department of Mechanical and Electrical Engineering (IME) has been established to strengthen the existing specialist fields within Mechanics, Mechatronics and Electronics.



Figure 1 - Left Alision in Sønderborg and right Technical Faculty in Odense

In December 2020 the Minister of Higher Education and Science Ane Halsboe-Jørgensen approved new SDU mechanical engineering educations: Bachelor of Engineering, Bachelor of Science and Master of Science. With focus on sustainability and industrial collaboration, the department is from 2021 educating engineers at both BEng, BSc and MSc level in mechanical engineering, mechatronics, design engineering and electronics.

This means that from September 2021 SDU offers a new education in BSc in Mechanical engineering in Odense and from 2024 a MSc in Mechanical engineering also in Odense. Furthermore, SDU from September 2021 offers new educations BEng and BSc in Mechanical engineering in Sønderborg and from 2022 MSc in Mechanical engineering in Sønderborg as well.

5. LIST OF DCAMM S-REPORTS

S1 – S107: Ask for separate book.

S108. JONCQUEZ, SOIZIC ANNICK GABRIELLE: Second-order Forces and Moments acting on Ships in Waves (August 2009)

S109. DÜHRING, MARIA BAYARD: Optimization of acoustic, optical and optoelastic devices (July 2009)

S110. NIELSEN, KIM LAU: Modelling of damage development and ductile failure in welded joints (December 2009)

S111. ESTUPINAN, EDGAR ALBERTO: Feasibility of Applying Controllable Lubrication Techniques to Reciprocating Machines (December 2009)

S112. BANG-MØLLER, CHRISTIAN: Design and Optimization of an Integrated Biomass Gasification and Solid Oxide Fuel Cell System (April 2010)

S113. PEDERSEN, RUNE: Dynamic Modeling of wind Rubine Gearboxes and Experimental Validation (April 2010)

S114. BRIX, WIEBKE: Modelling refrigerant distribution in minichannel evaporators (May 2010)

S115. HUMMELSHØJ, THOMAS STRABO: Mechanisms of metal dusting corrosion (December 2009)

S116. CIPOLLA, LEONARDO: Conversion of MX Nitrides to Modified Z-Phase in 9-12%Cr Ferritic Steels (March 2010)

S117. HAIDER, SAJJAD: Two Stroke diesel Engines for Large Ship Propulsion (January 2011).

S118. VELTE, CLARA: Simulation and control of Wind Turbine Flows using Vortex Generators (February 2009)

S119. ENZ, STEPHANIE: Factors Affecting Coriolis Flowmeter Accuracy, Precision, and Robustness (September 2010)

S120. KJÆRSGAARD-RASMUSSEN, JIMMY: Inside-out electrical capacitance tomography for downhole multiphase flow evaluation (April 2010)

S121. LAJIC, ZORAN: Fault-Tolerant Onboard monitoring and Decision Support Systems (October 2010)

S122. SVENDSEN, MARTIN NYMANN: Wind Turbine Rotors with Active Vibration Control (January 2011)

- S123. CLAUSEN, LASSE RØNGAARD: Design of novel DME/methanol synthesis plants based on gasification of biomass (February 2011)
- S124. SHIN, KEUN WOO: Cavitation simulation on marine propeller (November 2010)
- S125. HAUGAARD, ASGER MARTIN: On Controllable Elastohydrodynamic Fluid Film Bearings (May 2010)
- S126. PEDERSEN, TROELS DYHR: Homogeneous Charge Compression Ignition Combustion of Dimethyl Ether (May 2011)
- S127. GARCÍA, NÈSTOR RAMOS: Quasi-3d aerodynamic code for analysing dynamic flap response (April 2011)
- S128. ZAMBRANO, HARVEY A: Molecular Dynamics Studies of Nanofluidic Devices (May 2011)
- S129. AAGE, NIELS: Topology optimization of radio frequency and microwave structures (April 2011)
- S130. MATZEN, RENÉ: Topology Optimization for Transient Wave Propagation Problems (March 2011)
- S131. ANDREASEN, CASPER SCHOUSBOE: Multiscale topology optimization of solid and fluid structures (May 2011)
- S132. KÆRN, MARTIN RYHL: Analysis of flow maldistribution in fin-and-tube evaporators for residential air-conditioning systems (August 2011)
- S133. BEHRENS, TIM: Simulation of Moving Tailing edge Flaps on a Wind Turbine Blade using a Navier-Stokes based Immersed Boundary Method (July 2011)
- S134. BLASQUES, JOSÉ PEDRO ALBERGARIA AMARAL: Optimal Design of Laminated Composite Beams (August 2011)
- S135. AZIZI, REZA: Multi-scale modelling of composites (September 2011)
- S136. JACOBSEN, NIELS GJØL: A Full Hydro- and Morphodynamic Description of Breaker Bar Development (April 2011)
- S137. MOROSI, STEFANO: From Hybrid to Actively-Controlled Gas Lubricated Bearings – Theory and Experiment (September 2011)
- S138. KÆRGAARD, KASPER: Numerical Modeling of Shoreline Undulations (September 2011)
- S139. BHOWMIK, SUBRATA: Modelling and Control of Magnetorheological Damper: Real-time implementation and experimental verification (October 2011)

S140. ANDKJÆR, JACOB: Wave Manipulation by Topology Optimization (January 2012)

S141. MOSLEMIAN, RAMIN: Residual Strength and Fatigue Lifetime of Debond Damaged Sandwich Structures (September 2011)

S142. HANSEN, SØREN VINTHER: Performance Monitoring of Ships (September 2011)

S143. HANSEN, NILAS MANDRUP: Interaction between Seabed Soil and Offshore Wind Turbine Foundations (March 2012)

S144. THOMSEN, KIM: Modeling of dynamically loaded hydrodynamic bearings at low Sommerfeld numbers (March 2012)

S145. WANG, FENGWEN: Systematic Design of Slow Light Waveguides (August 2012)

S146. RASMUSSEN, JOHANNES TOPHØJ: Particle Methods in Bluff Body Aerodynamics (October 2011)

S147. ANDERSEN, SØREN BØGH: Design and Optimization of Gearless Drives using Multi-Physics Approach (September 2012)

S148. LAHRIRI, SAID: On the Rotor to Stator Contact Dynamics with Impacts and Friction – Theoretical and Experimental Study (November 2012)

S149. VARELA, ALEJANDRO CERDA: Mechatronics Applied to Fluid Film Bearings: Towards More Efficient Machinery (December 2012)

S150. SCHLECHTINGEN, MEIK: A Global Condition Monitoring System for Wind Turbines (February 2013)

S151. SENG, SOPHEAK: Slamming and Whipping Analysis of Ships (December 2012)

S152. HOSSEINZADEH, ELHAM: Fuel Cell Hydrogen manifold for Lift Trucks (December 2012)

S153. DIMITROV, NIKOLAY: Structural Reliability of wind Turbine Blades: Design Methods and Evaluation (February 2013)

S154. RABBANI, ABID: Dynamic Performance of a PEM Fuel Cell System (March 2013)

S155. LINDBERG, OLE: Multiscale Simulation of Breaking Wave Impacts (March 2012)

S156. NIELSEN, MARTIN BJERRE: Dynamics of Rigid Bodies and Flexible Beam Structures (September 2013)

- S157. JENSEN, MICHAEL V.: Heat Transfer in Large Two-Stroke Marine Diesel Engines (August 2012)
- S158. TORRY-SMITH, JONAS MØRKEBERG: Designing Mechatronic Products – Achieving Integration by Means of Modelling Dependencies (February 2013)
- S159. POULIOS, KONSTANTINOS: Tribology of A Combined Yaw Bearing and Brake for Wind Turbines (September 2013)
- S160. JØRGENSEN, MARTIN FELIX: Aerodynamic and Mechanical System Modelling (November 2013)
- S161. ROTHUIZEN, ERASMUS DAMGAARD: Hydrogen Fuelling Stations – A Thermodynamic Analysis of Fuelling Hydrogen Vehicles for Personal Transportation (September 2013)
- S162. WÖRÖSCH, MICHAEL: End-to-end requirements management for multiprojects in the construction industry (February 2014)
- S163. BUREAU, EMIL: Experimental Bifurcation Analysis Using contro-Based continuation (January 2014)
- S164. VAJARI, DANIEL ASHOURI: Micromechanical failure in fiber-reinforced composites (March 2014)
- S165. JOHANSEN, AXEL OHRT: Numerical study of evaporators in power plants for improved dynamic flexibility (March 2013)
- S166. ANDERSEN, INGRID MARIE VINCENT: Full Scale Measurements of the Hydro-Elastic Response of Large Container Ships for Decision Support (April 2014)
- S167. GIVERSEN, SØREN: Blast Testing and Modelling of composite Structures (March 2014)
- S168. SAREMI, SINA: Density-Driven Currents and Deposition of Fine Materials (April 2014)
- S169. CERULLO, MICHELE: Computational stress and damage modelling for rolling contact fatigue (September 2014)
- S170. NGUYEN, TUONG-VAN: Modelling, analysis and optimization of energy systems on offshore platforms (October 2014)
- S171. AMINI AFSHAR, MOSTAFA: Towards Predicting the Added Resistance of Slow Ships in Waves (October 2014)
- S172. ANDREASSEN, ERIK: Optimal Design of Porous Materials (January 2015)
- S173. JOHANSEN, VILLADS EGEDE: Structural colours and applications to anodized aluminium surfaces (November 2014)

- S174. BRUUN, HANS PETER LOMHOLT: PLM support to architecture based development – Contribution to computer-supported architecture modelling (January 2015)
- S175. FUGLEDE, NIELS: Kinematics and Dynamics of Roller Chain Drives (July 2014)
- S176. LARSEN, ULRIK: Design and modelling of innovative machinery systems for large ships (October 2014)
- S177. LARSEN, JON STEFFEN: Nonlinear Analysis of Rotors Supported by Air Foil Journal Bearings – Theory & Experiments (February 2015)
- S178. INGVORSEN, KRISTIAN MARK: Investigations of the turbulent swirling flow in a two-stroke marine diesel engine (November 2013)
- S179. ERIKSEN, RASMUS NORMANN: High Strain Rate characterization of Composite materials (March 2014)
- S180. PEDERSEN, BENJAMIN PJEDSTED: Data-driven Vessel Performance Monitoring (June 2014)
- S181. JANAKIRAMAN, SHRAVAN: Fatigue and Wear in Rolling and Sliding Contacts (November 2014)
- S182. CHRISTIANSEN, NIELS HØRBYE: Hybrid Method Simulation of Slender Marine Structures (August 2014)
- S183. PIEROBON, LEONARDO: Novel design methods and control strategies for oil and gas offshore power systems (October 2014)
- S184. DOU, SUGUANG: Gradient-based optimization in nonlinear structural dynamics (April 2015)
- S185. CORDTZ, RASMUS FAURSKOV: The Influence of Fuel Sulfur on the Operation of Large Two-Stroke Marine Diesel Engines (January 2014)
- S186. JEPSEN, ALLAN DAM: ARCHITECTURE DESCRIPTIONS – A contribution to Modeling of Production System Architecture (September 2014)
- S187. OMMEN, TORBEN SCHMIDT: Heat Pumps in CHP Systems. High-efficiency Energy System Utilising Combined Heat and Power and Heat Pumps (April 2015)
- S188. MODI, ANISH: Numerical evaluation of the Kalina cycle for concentrating solar power plants (August 2015)
- S189. ENEMARK, SØREN: Integration of shape Memory Alloys into Low-Damped Rotor-Bearing Systems – Modelling, Uncertainties and Experimental Validation (October 2015)

S190. WRONSKI, JORRIT: Design and Modelling of Small Scale Low Temperature Power Cycles (May 2015)

S191. ANDERSEN, FREDERIK HERLAND: Integrated Analysis of the Scavenging Process in Marine Two-Stroke Diesel Engines (August 2015)

S192. GUOLAUGSSON, TÓMAS VIGNIR: Modelling architectures in multi-product oriented technology development (July 2015)

S193. CHRISTIANSEN, CHRISTIAN KIM: Diesel Engine Tribology (December 2015)

S194. COSTACHE, ANDREI: Anchoring FRP Composite Armor in Flexible Offshore Riser Systems (October 2015)

S195. COUTURIER, PHILIPPE JACQUES: Structural modelling of composite beams with application to wind turbine rotor blades (January 2016)

S196. VÁSQUEZ, FABIÁN GONZALO PIERART: Model-Based Control Design for flexible Rotors Supported by Active Gas Bearings - Theory & Experiment (January 2016)

S197. MAZZUCCO, ANDREA: Tank designs for combined high-pressure gas and solid-state hydrogen storage (January 2016)

S198. HEJLESEN, MADDS MØLHOLM: A high order regularisation method for solving the Poisson equation and selected applications using vortex methods (February 2016)

S199. ÓLAFSSON, ÖLAFUR MAGNÚS: Improved Design Basis of Welded Joints in Seawater (March 2016)

S200. PARSLOV, JAKOB FILIPPSON: Defining Interactions and Interfaces in Engineering Design (March 2016)

S201. FRANDBSEN, NIELS MORTEN MARSLEV: Design of advanced materials for linear and nonlinear dynamics (April 2016)

S202. MONTAZERI, NAJMEH: Estimation of waves and ship responses using onboard Measurements (March 2016)

S203. BRODERSEN, MARK LAIER: Damping of Wind turbine tower vibrations (December 2015)

S204. MANCA, MARCELLO: Fracture Characterization of Sandwich Face/Core Interfaces (March 2015)

S205. ANDERSEN, JAKOB BEJBRO: PSS Support for Maritime Technology Ventures: From Exploration to Methodology and Theory (November 2015)

- S206. MOUGAARD; KRESTINE: A framework for conceptualisation of PSS solutions: On network-based development models (January 2016)
- S207. JENSEN, JONAS KJÆR: Industrial heat pumps for high temperature process applications - A numerical study of the ammonia-water hybrid absorption-compression heat pump (December 2015)
- S208. CHRISTIANSEN, RASMUS E.: Topology Optimization for Wave Propagation Problems with Experimental Validation (June 2016)
- S209. NEUMEYER, STEFAN: Macromechanical Parametric Amplification (April 2016)
- S210. MADSEN, STINE SKOV: Dynamic Modeling of Pavements with Application to Deflection Measurements (July 2016)
- S211. SALAZAR, JORGE ANDRÉS GONZÁLEZ: Towards Model-Based Control Design for Flexible Rotors Supported by Active Tilting Pad Bearings - Theory & Equipment (August 2016)
- S212. VOIGT, ANDREAS JAUERNIK: Towards Identification of Rotordynamic Properties for Seals in Multiphase Flow Using Active Magnetic Bearings. Design and Commissioning of a Novel Test Facility (June 2016)
- S213. EL-NAAMAN, SALIM ABDALLAH: Micro-Structural Evolution and Size-Effects in Plastically Deformed Single Crystals - Strain Gradient Continuum Modeling (July 2016)
- S214. CLAUSEN, ANDERS: Topology Optimization for Additive Manufacturing (September 2016)
- S215. RAVN, POUL MARTIN: Coherent Architecture Development as a Basis for Technology Development (December 2015)
- S216. ALEXANDERSEN, JOE: Efficient topology optimisation of multiscale and multiphysics problems (September 2016)
- S217. KONTOS, STAVROS: Robust Numerical Methods for Nonlinear Wave-Structure Interaction in a Moving Frame of Reference (August 2016)
- S218. LYTCHKE-JØRGENSEN, CHRISTOFFER: Design and optimization of flexible multi-generation systems (April 2016)
- S219. CHRISTENSEN, MARTIN EBRO: Applying Robust Design in an Industrial context (August 2015)
- S220. HØGH, JACOB HEROLD: Hybrid Simulation of Composite Structures (January 2016)

S221. NIELSEN, BO BJERREGAARD: Combining Gas Bearing and Smart Material Technologies for Improved Machine Performance Theory and Experiment (July 2016)

S222. OBEIDAT, ANAS: Development of Smoothed Particle Hydrodynamics for flow in Complex Geometries and Application of Open Source Software for the Simulation of Turbulent Flow (June 2014)

S223. REGENER, PELLE BO: Hull-Propeller Interaction and Its Effect on Propeller Cavitation (November 2016)

S224. GÖHLER, SIMON MORITZ: Metric-driven Robust Design – Robustness Quantification of Complex Engineering Systems (February 2017)

S225. LAURIDSEN, JONAS: Control design of Active Magnetic Bearings for Rotors Subjected to Destabilising Seal Forces Theory & Experiment (May 2017)

S226. WESTLYE, FREDRIK REE: Experimental Study of Liquid Fuel Spray Combustion (June 2016)

S227. SIGURJONSSON, HAFTHOR ÆGIR: Modeling and Evaluation of Bioenergy and Agriculture system Integration (January 2016)

S228. LINHARES DA FONSECA, CESAR AUGUSTO LAMPE: A theoretical-experimental study of backup bearings – The pinned vs ball bearing (July 2017)

S229. KERMANI, NASRIN ARJOMAND: Design and prototyping of an ionic liquid piston compressor as a new generation of compressor for hydrogen refueling stations (May 2017)

S230. NØRGAARD, SEBASTIAN ARLUND: Topology optimization and lattice Boltzmann methods (October 2017).

S231. BAJRIĆ-HODŽIĆ, ANELA: Identification of damping from structural vibrations (October 2017)

S233. PEDERSEN, SØREN NYGAARD: Perceptual Robust Design (January 2017)

S234. NELLEMAN, CHRISTOPHER: Micro-structural evolution in plastically deformed crystalline materials (December 2017)

S235. BÜHLER, FABIAN: Energy efficiency in the industry: A study of the methods, potentials and interactions with the energy system (March 2018)

S236. BOORLA, SRINIVAS MURTHY: Zero Variation Manufacturing (ZVM) – A strategy for robust products with zero perceivable variation (January 2018)

S237. MARGALIT, JONATAN: Development of natural seabed forms and their interaction with offshore wind farms (December 2017)

S238. TIDEMANN, LASSE: Cyclic Yielding of Tubular Structures (January 2018)

- S239. KJÆR, LOUISE LAUMANN: Environmental Impacts of Product/Service-Systems – broadening the life cycle assessment methodology (January 2018)
- S240. KLIEM, MATHIAS: Damping of Composite Mast Structures (March 2018)
- S241. SASEENDRAN, VISHNU: Fracture Characterization and Analysis of Debonded Sandwich Composites (December 2017)
- S242. PAGOROPOULOS, ARIS: Product/service systems in the maritime industry – from economic evaluation throughout the life cycle to implementation (September 2017)
- S243. REBOUCAS, GERALDO FRANCISCO DE SOUZA: Vibro – Impact Mechanics. Analytical, Numerical and Experimental Investigations (September 2018)
- S244. LØKKEGAARD, MARTIN: Top-Down Financially Driven Modularization (October 2017)
- S245. LUNDGAARD, CHRISTIAN: Topology Optimization for multiphysics problems: Thermoelectric energy conversion and fluid-structure-interaction (June 2018)
- S246. DAGNÆS-HANSEN, NIKOLAJ A.: Magnetic Bearings for Offshore Flywheel Energy Storage Systems (July 2018)
- S247. JUUL, KRISTIAN JØRGENSEN: Steady-state and self-similar solution techniques in solid mechanics (August 2018)
- S248. SPIETZ, HENRIK JUUL: A Vortex-particle Mesh Method for Large Eddy Simulation of Bluff Body Aerodynamics (June 2018)
- S249. CHOI, JU-HYUCK: Efficient Estimation of Extreme Roll Motion of Ships (October 2018)
- S250. OVERGAARD, HANNIBAL TOXVÆRD: Lubricant Transport across Piston Rings in large Two-Stroke Diesel Engines – Theory and Experiments (September 2018)
- S251. MERONI, ANDREA: Design and Optimization of Turbomachinery for Thermodynamic Cycles Utilizing Low-Temperature Heat Sources (May 2018)
- S252. RODRIGUES, VINIVIUS PÍCANÇO: “In search of gold”: measuring performance and evaluating potential business benefits of eco-design (July 2018)
- S253. FARSHIDI, ARASH: Disbond Damage in Aircraft Sandwich Structures (January 2019)
- S254. GROEN, JEROEN PETER: Multi-scale design methods for Topology Optimization (December 2018)

S255. BJARKLEV, KRISTIAN: Mode of Action-Based Variation Risk Identification (December 2018)

S256. JENSEN, LASSE SKOVGAARD: Design by Prototypin in Hardware Start-ups (October 2018)

S257. FERRUZZA, DAVIDE: Design of steam generator systems for concentrating solar power plants (October 2018)

S258. MIRSADRAEE, YASAMAN: Development of a Model for Propeller Tip Vortex Cavitation and Analysis of the Radiated Pressure Fluctuations (September 2018)

S259. KARVOUNIS, NIKOLAS: Numerical Simulation of The Hydrodynamic Behavior of the Lubricant Oil Film in Large Two-stroke Marine Diesel Engines (October 2018)

S260. MANOUCHEHR MEHRTASH: Composite Materials for Electrical Transmission Mast Structures (February 2019)

S261. ZÜHLSDORF, BENJAMIN: High-performance heat pump systems. Enhancing performance and range of heat pump systems for industry and district heating (May 2019)

S262. YAACOB, MOHD RUSDY BIN: State-of-the-art laser Doppler systems development for turbulence measurements (June 2019)

S263. HOFFMEYER, DAVID: Damping of Torsional Beam Vibrations (August 2019)

S264. MØLLER, RANDI NØHR: Aerodynamic Stabilit of Long Span Bridges (June 2018)

S265. LUKASSEN, TROELS VESTERGAARD: Constitutive Behavior of Tensile Armor Wires in Unbounded Flexible Pipes (February 2019)

S266. ASADZADEH, SEYED SAEED: Numerical and experimental study of flow in choanoglagellates and choanocytes (August 2019)

S267. GOTFREDSEN, ERIK: Flow Phenomena in Selective Catalytic Reduction Systems used in Large Two-stroke Marine Diesel Engines (November 2018)

S268. MANCINI, ROBERTA: Design and Performance Analysis of Plate Heat Exchangers for Heat Pumps using Pure and Mixed Refrigerants (May 2019)

S269. TOFTEKÆR, JOHAN FREDERIK: Resonant Piezoelectric Shunt Damping of Structures (September 2019)

S270. ANDERSEN, RASMUS GRAU: Advancing Numerical Simulation Tools for Ductile Fracture in Thin metal Plates (February 2020)

S271. BALDASSO, ENRICO: Evaluation of the prospects for waste heat recovery on board liquefied natural gas-fuelled ships (February 2020)

S272. DILGEN, CETIN BATUR: Optimization of multiphysics problems: transient vibroacoustic and thermal-fluid systems (March 2020)

S273. VON OSMANSKI, ALEXANDER SEBASTIAN: Modelling of Gas Foil Bearings Towards Controllable Operation Multi-domain Analysis (April 2020)

S274. PÉREZ, IGNACIO VIDAL: Through-Thickness Damage Timeline of Fiber Composites under Dynamic Loading (April 2020)

S275. RASMUSSEN, JEPPE BREDAHL: Operation and maintenance of product configuration systems in project-based small and medium-sized enterprises (March 2020)

S276. JOHANSEN, NICOLAI FROST-JENSEN: Test Methods for Evaluating Rain Erosion Performance of Wind Turbine Blade Leading Edge Protection Systems (April 2020)

S277. DE PÁDUA PINHEIRO PIERONE, MARINA: Circular Economy Business Modelling: Decoupling value creation from resource consumptions within manufacturing companies (June 2020)

S278. BRØNS, MARIE: Vibration-based Estimation of Bolt Tension (June 2020)

S279. PIEPER, HENRIK: Optimal Integration of District Cooling, Heat Sources and Heat Sinks (December 2019)

S280. MEESENBURG, WIEBKE: Heat pumps supplying district heating and ancillary services for the power system (January 2020)

S281: BUTERA, GIACOMO: Methanol production integrating biomass thermochemical conversion and solid oxide cells (August 2020)

S282: CONLAN-SMITH, CIAN: Aerodynamic and Aeroelastic Shape Optimization of Aircraft Wings (November 2020)

S283: KRAVCHENKO, MARIIA: Sustainability screening as a decision support for early stage circular economy development: Moving the sails of circular economy in the direction of sustainability (November 2020)

S284: HICKS, JACOB BJARKE HANSEN: Development of a high-order potential flow solver for nonlinear wavestructure interaction (December 2020)

S285: KRISTIANSSEN, HANSOTTO: Topology optimization of transient problems with frictional contact and finite strain (December 2020)

6. OTHER THESES

ARADÓTTIR, TINNA BJÖRK: “An Adaptive Model Based Approach to Personalized Basal Insulin Initiation in Type 2 Diabetes”, DTU Compute, 2020, PhD Thesis.

BAYAT, MOHAMAD: “Multi-scale multiphysics simulation of the thermofluid-metallurgical-mechanical conditions during metal additive manufacturing”, DTU Mechanical Engineering, 2020, PhD Thesis.

BERTOLINI, PAOLA: “Advanced accurate and computationally efficient numerical methods for wind turbine rotor blade design”, DTU Wind Energy, 2020, PhD Thesis.

BAANDRUP, MADS JACOB: “Innovative Design of Steel Girders in Cable-Supported Bridges – By application of numerical optimization methods”, DTU Civil Engineering, 2020, PhD Thesis.

CASTRO, MIGUEL NOBRE: “Development of a Passive Orthosis for Upper Extremity Assistance – Towards a Subject-specific Device by means of Musculoskeletal Modelling”, Aalborg University, Department of Materials and Production, 2020, PhD Thesis.

CHECCHI, ALESSANDRO: “Modelling and Monitoring for Improved Quality of Machining Processes – Development and Application of Error Compensation Strategies”, DTU Mechanical Engineering, 2020, PhD Thesis.

CHRISTENSEN, RENÉ: “Quantum Codes and Multiparty Computations: A Coding Theoretic Approach”, Aalborg University, Department of Mathematic Sciences, 2020, PhD Thesis.

CHRISTENSEN, TROELS SØNDERBY: “Essays on Cross-commodity Modeling in Energy Markets”, Aalborg University, Department of Mathematic Sciences, 2020, PhD Thesis.

CHRISTENSEN, SILAS SVERRE: “Vibration and strain monitoring of an offshore structure”, SDU, Department of Technology and Innovation, 2020, PhD Thesis.

DE BAERE, DAVID: “Numerical modelling of heat treatment and post processing following additive manufacturing of metal parts”, DTU Mechanical Engineering, 2020, PhD Thesis.

DIDONE, MATTIA: “Molded Pulp Products Manufacturing: Process Development, Characterization and Modeling”, DTU Mechanical Engineering, 2020, PhD Thesis.

GUNDERSEN, JARON: “On the Interaction Between Linear Codes, Secret Sharing and Multiparty Computation”, Aalborg University, Department of Mathematic Sciences, 2020, PhD Thesis.

GÖZCÜ, MEHMET OZAN: “Wind turbine blade large deflections A non-intrusive

method for blade nonlinear reduced order models”, DTU Wind Energy, 2020, PhD Thesis.

HARATIAN, SABER: “Surface Engineering of ZrCuAl-based Bulk Metallic Glasses by Gaseous Oxidizing”, DTU Mechanical Engineering, 2020, PhD Thesis.

HØGSAA, BJARKE HANGSTRUP: “Sustainable clay/polymer nanocomposites”, Aalborg University, Department of Materials and Production, 2020, PhD Thesis.

JEPSEN, MICHAEL S.: “Applications and test methods”, Aalborg University, Department of the Built Environment, 2020, PhD Thesis.

KROGH, CHRISTIAN: “Characterization and Modeling of Woven Carbon Fiber Prepreg Plies for Automated Draping Processes”, Aalborg University, Department of Materials and Production, 2020, PhD Thesis.

LI, ZHONGYI: “Design and Control of a Compliant Joint for Upper-body Exoskeletons in Physical Assistance”, Aalborg University, Department of Materials and Production, 2020, PhD Thesis.

LIMKILDE, ASGER: “Efficient 3D Shape Optimization with Isogeometric Analysis”, DTU Compute, 2020, PhD Thesis

LOALDI, DARIO: “Integration of Micro and Nano Structures on Injection Moulded Devices – Process Chains and Enabling Technologies”, DTU Mechanical Engineering, 2020, PhD Thesis.

MOSHIRI, MANDANÀ: “Integrated process chain for first-time-right mould components production using laser powder bed fusion metal additive manufacturing”, DTU Mechanical Engineering, 2020, PhD Thesis.

NIELSEN, JACOB ORBITSØ: “Surface engineering of Fe-C coatings”, DTU Mechanical Engineering, 2020, PhD Thesis.

NIELSEN, MORTEN EGGERT: “Computational methods for wave-structure interaction. Numerical analysis of a RBF-based method”, Aalborg University, Department of the Built Environment, 2020, PhD Thesis.

SERDECZNY, MARCIN PIOTR: “Numerical and Experimental Analysis of Filament-based Material Extrusion Additive Manufacturing”, DTU Mechanical Engineering, 2020, PhD Thesis.

THORDAL, MARIE: “Determination of wind load on high-rise buildings by applying Computational Fluid Dynamics”, DTU Civil Engineering, 2020, PhD Thesis

ZAFFARONI, GIORGIO GIOVANNI BATTISTA: “Developing High Performance Aluminium Alloy Tubes for Heat Exchange Applications”, DTU Mechanical Engineering, 2020, PhD Thesis.

7. DCAMM COURSES GIVEN IN 2020

DTU Mechanical Engineering

High Performance Computing: FORTRAN, OpenMP and MPI

Advanced Engineering Thermodynamics

Electron Microscopy and Analysis for Materials Research

PhD course on application of x-ray diffraction in materials science

Nanotribology: Theory and application

Measurement uncertainty estimation using statistical methods

Aalborg University's Doctoral School of Engineering and Science

Analysis and Gradient Based Optimization of Laminated Composite Structures

APPENDIX: List of members 2020

Abbreviations:

from Technical University of Denmark

CIVIL: Dept. of Civil Engineering
 COMPUTE: Dept. of Applied Mathematics and Computer Science
 MEK-FAM: Dept. of Mechanical Engineering, Solid Mechanics
 MEK-FVM: Dept. of Mechanical Engineering, Fluid Mechanics,
 Coastal and Maritime Engineering
 MEK-K&P: Dept. of Mechanical Engineering, Engineering Design and Product
 Development
 MEK-MPP: Dept. of Mechanical Engineering, Manufacturing Engineering
 MEK-MTU: Dept. of Mechanical Engineering, Materials and Surface Engineering
 MEK-TES: Dept. of Mechanical Engineering, Thermal Energy
 WIND: DTU Wind Energy

from Aalborg University

BUILD, AAU: Department of the Built Environment
 MATH, AAU: Department of Mathematical Sciences
 MECH, AAU: Department of Materials and Production

from Aarhus University

ENG, AU: Department of Engineering

from University of Southern Denmark

SDU-ME: Department of Mechanical and Electrical Engineering

Abbiati, Giuseppe	(ENG, AU)	Assistant Professor
Abrahamsen, Asger	(WIND)	Senior Researcher
Aghababaei, Ramin	(ENG, AU)	Assistant Professor
Akbar, Mahdi	(ENG, AU)	Assistant Professor
Alexandersen, Joe	(SDU-ME)	Assistant Professor
Alibrandi, Umberto	(ENG, AU)	Associate Professor
Albæk, Julie Kamp	(MEK-K&P)	Scientific Assistant
Alting, Leo	(MEK-MPP)	Professor Emeritus
Ambat, Rajan	(MEK-MTU)	Professor
Anchondo, Ruben Isaac Erives	(WIND)	PhD student
Andersen, Asger Gade	(MEK-MTU)	PhD student
Andersen, Lars Vabbersgaard	(ENG, AU)	Professor, PhD
Andersen, Michael Skipper	(MECH, AAU)	Associate Professor
Andersen, Mikkel	(MATH, AAU)	Associate Professor
Andersen, Morten Nørgaard	(MEK-FAM)	PhD student
Andersen, Poul	(MEK-FVM)	Associate Professor
Andersen, Rasmus Grau	(MEK-FAM)	Postdoc
Andersen, Sebastian Aagaard	(MEK-MPP)	PhD student
Andersen, Søren Juhl	(WIND)	Associate Professor
Andersen, Søren Rindom		Elected member, PhD

Andreasen, Casper Schousboe	(MEK-FAM)	Associate Professor
Andreasen, Jens H.	(MECH, AAU)	Associate Professor, PhD
Andreasen, Mogens Myrup	(MEK-K&P)	Professor Emeritus
Andresen, Gorm Bruun	(ENG, AU)	Assistant Professor
Andrianov, Nikolai		Elected member
Andrillo, Tito	(MEK-MPP)	Researcher
Arlitt, Ryan Michael	(MEK-K&P)	Assistant Professor
Arora, Vikas	(SDU-ME)	Associate Professor
Askhøj, Christoffer	(MEK-K&P)	PhD student
Baars, Woutjin J.	(ENG, AU)	Assistant Professor
Bahrebar, Sajjad	(MEK-MTU)	PhD student
Bai, Shaoping	(MECH, AAU)	Associate Professor
Bak, Brian Lau Verndal	(MECH, AAU)	Assistant Professor
Balling, Ole	(ENG, AU)	Aff. Professor
Bangaru, Ashish Kumar	(WIND)	PhD student
Bartawi, Emad Hasan	(MEK-MTU)	PhD student
Basso, Alberto	(MEK-MPP)	PhD student
Bay, Niels O.	(MEK-MPP)	Professor Emeritus
Beelen, Peter	(COMPUTE)	Professor MSO
Bender, Jens Jakob	(MECH, AAU)	Postdoc
Bendsøe, Martin		Elected member, Professor Emeritus, dr. techn.
Bentzon, Jakob Roar	(MEK-FVM)	PhD student
Benzon, Tomas	(MEK-K&P)	Architect
Bergamini, Riccardo	(MEK-TES)	PhD student
Berggreen, Christian	(MEK-FAM)	Associate Professor
Berntsen, Jesper	(SDU-ME)	PhD student
Bertram, Christian Alexander	(MEK-K&P)	PhD student
Bibbo, Nimai Domennico	(SDU-ME)	PhD student
Bingham, Harry B.	(MEK-FVM)	Professor
Biondani, Francesco G.	(MEK-MPP)	Postdoc
Bisacco, Giuliano	(MEK-MPP)	Associate Professor
Bjerregård, Mathias Blicher	(COMPUTE)	PhD student
Blasco, Laura Carreras	(MECH, AAU)	Postdoc
Blomgren, Emma Margareta Viktoria	(COMPUTE)	PhD student
Bluhm, Gore Lukas	(MEK-FAM)	PhD student
Boccia, Rossana	(MEK-TES)	PhD student
Bohlmann, Berend	(SDU-ME)	Associate Professor
Bohr, Tomas		Elected member, Professor
Borg, Ulrik		Elected member, Senior Engineer
Bræstrup, M. W.		Elected member, PhD
Brander, David	(COMPUTE)	Associate Professor
Brandt, Anders	(SDU-ME)	Professor
Branner, Kim	(WIND)	Senior Researcher
Bräuner, Lars	(ENG, AU)	Associate Professor
Bredmose, Henrik	(WIND)	Professor
Broberg, Peter Hede	(MECH, AAU)	PhD student
Brockhoff, Per B.	(COMPUTE)	Head of Department, Professor
Brok, Niclas Lauersen	(COMPUTE)	PhD student
Brøns, Marie	(MEK-FAM)	Postdoc
Brøns, Morten	(COMPUTE)	Professor, PhD, Head of Section
Bucinkas, Paulius	(ENG, AU)	PhD student
Budden, Christian Leslie	(MEK-MPP)	PhD student
Budzik, Michal	(ENG, AU)	Assistant Professor
Buhl, Thomas	(SDU-ME)	Professor, Head of Department
Baars, Woutjin J.	(ENG, AU)	Assistant Professor
Calaon, Matteo	(MEK-MPP)	Researcher

Cardenas de Rio, Daniel	(MEK-MPP)	PhD student
Carlsen, Henrik	(MEK-TES)	Professor Emeritus
Carstensen, Stefan	(MEK-FVM)	Associate Professor
Castro Ardilla, Oscar Gerardo	(WIND)	PhD student
Cederkvist, Jan		Elected member, PhD.
Cederlöf, Daan Jonas Hottentot	(WIND)	PhD student
Chawla, Ashish	(MEK-MPP)	PhD student
Checchi, Alessandro	(MEK-MPP)	PhD student
Chen, Xiao	(WIND)	Associate Professor
Chivaee, Hamid Sarlek	(WIND)	Associate Professor
Christensen, Carsten Keinicke Fjord	(MEK-K&P)	PhD student
Christensen, Erik Damgaard	(MEK-FVM)	Professor, Head of Section
Christensen, Ole	(COMPUTE)	Professor, dr.scient.
Christensen, Silas Sverre	(SDU-ME)	PhD student
Christiansen, Christian Kim		Elected member, PhD.
Christiansen, Jesper De Claville	(MECH, AAU)	Professor
Christiansen, Rasmus Ellebæk	(MEK-FAM)	Assistant Professor
Christiansen, Thomas Lundin	(MEK-MTU)	Associate Professor
Clausen, Johan Christian	(ENG, AU)	Associate Professor
Clausen, Lasse Røngaard	(MEK-TES)	Associate Professor
Comminal, Raphael Benjamin	(MEK-MPP)	Researcher
Conlan-Smith, Cian	(MEK-FAM)	PhD student
Conseil-Gudia, Hélène Virgine	(MEK-MTU)	Postdoc
Conti, Davide	(WIND)	PhD student
Cordtz, Rasmus Faurskov	(MEK-TES)	Researcher
Cornean, Horia	(MATH, AAU)	Professor
Criscuolo, Gennaro	(MEK-TES)	PhD student
Dahl, Kristian Vinter	(MEK-MTU)	Senior Researcher
Dahmen, Thomas	(MEK-MPP)	PhD student
Damkilde, Lars	(BUILD, AAU)	Professor
Dammann, Bernd	(COMPUTE)	Associate Professor
Danielak, Anna Halina	(MEK-MPP)	PhD student
Danielsen, Hilmar K.	(WIND)	Senior Researcher
Darula, Radoslav	(MECH, AAU)	Assistant Professor
Davoudinejad, Ali	(MEK-MPP)	Postdoc
De Baere, David	(MEK-MPP)	Postdoc
De Chiffre, Leonardo	(MEK-MPP)	Professor Emeritus
Deiningner, Michael	(MEK-K&P)	Associate Professor
Desai, Nishith Babubhai	(MEK-TES)	Postdoc
Dias, Marcelo	(ENG, AU)	Assistant Professor
Dimitrov, Nikolai	(WIND)	Senior Researcher
Dominikovic, Dimitri Franjo	(COMPUTE)	Postdoc
Drozdov, Aleksey	(MECH, AAU)	Professor
Dueholm, Bjørn Christian	(MECH, AAU)	PhD student
Eder, Martin Alexander	(WIND)	Senior Researcher
Eifler, Tobias	(MEK-K&P)	Assistant Professor
Elingaard, Martin Ohrth	(MEK-FAM)	Scientific Assistant
Elmegaard, Brian	(MEK-TES)	Professor, Head of Section
Eltard-Larsen, Bjarke	(MEK-FVM)	Postdoc
Endelt, Benny	(MECH, AAU)	Associate Professor
Engsig-Karup, Allan	(COMPUTE)	Associate Professor
Eriksen, Stig	(SDU-ME)	PhD student
Erlandsson, Anders Christiansen	(MEK-TES)	Professor mso
Evgrafov, Anton	(MATH, AAU)	Associate Professor
Faber, Michael Havbro	(BUILD, AAU)	Professor
Fajstrup, Lisbeth	(MATH, AAU)	Associate Professor
Fang, Haixing	(MEK-MPP)	Postdoc

Felter, Christian Lotz		Elected member, PhD
Feng, Ju	(WIND)	Senior Researcher
Filsoof, Oliver Tierdad	(ENG, AU)	PhD student
Foldager, Frederik	(ENG, AU)	PhD student
Fredsøe, Jørgen	(MEK-FVM)	Professor Emeritus
Frier, Christian	(BUILD, AAU)	Associate Professor, PhD
Fuentes, Valentin Salgado	(MEK-TES)	PhD student
Fuhrman, David R.	(MEK-FVM)	Associate Professor
Funch, Cecilie Vase	(MEK-MTU)	PhD student
Föhring, Leonie	(SDU-ME)	PhD student
Gani, Michael	(MEK-FAM)	PhD student
Gao, Luyaoe	(MECH, AAU)	PhD student
Garcia, Néstor Ramos	(WIND)	Senior Researcher
Garde, Henrik	(MATH, AAU)	Assistant Professor
Ge, Jingrui	(MEK-K&P)	PhD student
Geiselhart, Matthias	(MEK-TES)	Scientific Assistant
Georgakis, Christos T.	(ENG, AU)	Professor
Ghadirian, Amin	(WIND)	Postdoc
Ghosh, Amartya	(MEK-K&P)	PhD student
Giannekas, Nikolaos	(MEK-MPP)	Postdoc
Gísladóttir, Arnthrudur	(ENG, AU)	PhD student
Gohlamar, Alireza	(MEK-FAM)	PhD student
Graeme, Keith		Elected member
Gravesen, Jens	(COMPUTE)	Associate Professor, dr.phil
Greiner, Martin	(ENG, AU)	Professor
Groen, Jeroen Peter	(MEK-FAM)	Postdoc
Gull, Muhammad Ahsan	(MECH, AAU)	PhD student
Gullo, Paride	(MEK-TES)	Postdoc
Gunneskov, Ole		Elected member, PhD.
Gupta, Kapil Kumar	(MEK-MTU)	PhD student
Gupta, Shivangi	(MEK-MTU)	PhD student
Haglund, Fredrik	(MEK-TES)	Associate Professor
Hald, John	(MEK-MTU)	Professor
Han, Anpan	(MEK-MPP)	Senior Researcher
Hansen, Camilla Arndt	(MEK-K&P)	PhD student
Hansen, Claus Thorp	(MEK-K&P)	Associate Professor
Hansen, Hans Nørgaard	(MEK-ADM)	Professor, Head of Department
Hansen, Kasper Barslund	(MEK-K&P)	Scientific Assistant
Hansen, Kurt Schaldemose	(WIND)	Senior Researcher
Hansen, Martin Otto Laver	(WIND)	Associate Professor
Hansen, Morten Hartvig	(SDU-ME)	Professor
Hansen, Per Chr.	(COMPUTE)	Professor, dr. techn.
Haque, Rubaiyet Iftekharul	(MEK-MPP)	Postdoc
Haratian, Saber	(MEK-MTU)	Postdoc
Haselbach, Philip Ulrich	(WIND)	Researcher
Hassan, Hafiz Muhammad Adeel	(SDU-ME)	PhD student
Hassing, Henrik		Elected member, PhD
Hattel, Jesper Henri	(MEK-MPP)	Professor, Head of Section
Heide-Jørgensen, Simon	(ENG, AU)	Postdoc
Hermansen, Sebastian Malte	(MECH, AAU)	PhD student
Henrichsen, Søren Randrup Daugaard		Elected member, PhD
Henriksen, Christian	(COMPUTE)	Associate Professor, PhD
Henriksen, Nikolaj Gersager	(MEK-MPP)	PhD student
Hicks, Jacob Bjarke Hansen	(MEK-FVM)	Scientific Assistant
Hjorth, Poul	(COMPUTE)	Associate Professor, PhD
Hodzic, Azur	(MEK-FVM)	Postdoc
Hoffmeyer, David		Elected member, PhD

Hong, Chuanshi	(MEK-MPP)	Senior Researcher
Høeg, Christian Elkjær	(ENG-AU)	PhD student
Høghøj, Lukas Christian	(MEK-FAM)	PhD student
Høgsaa, Bjarke Hangstrup	(MECH, AAU)	PhD student
Høgsberg, Jan Becker	(MEK-FAM)	Associate Professor
Højsgaard, Søren	(MATH, AAU)	Associate Professor, Head of Department
Holte, Ingrid	(MEK-FAM)	PhD student
Huang, Xiaoxu	(MEK-MTU)	Senior Researcher
Ibsen, Lars Bo	(BUILD, AAU)	Professor, PhD
Islam, Mohammad Aminul	(MEK-MPP)	Associate Professor
Islam, Muhammad Raza Ul	(MECH, AAU)	Research Assistant
Ivarsson, Anders	(MEK-TES)	Associate Professor
Jacobsen, Christian Brix		Elected member, PhD.
Jacobsen, Christian S.		Elected member, R&D Engineer
Jacobsen, Johnny	(MECH, AAU)	Associate Professor
Jacobsen, Lasse	(MEK-MPP)	Scientific Assistant
Jelicic, Goran	(SDU-ME)	PhD student
Jellesen, Morten Stendahl	(MEK-MTU)	Senior Researcher
Jensen, Dorte Juul	(MEK-MPP)	Professor
Jensen, Henrik Myhre	(ENG, AU)	Professor
Jensen, Jakob Søndergaard	(MEK-FAM)	Professor MSO, PhD
Jensen, Jonas Kjær	(MEK-TES)	Researcher
Jensen, Jørgen Juncher	(MEK-FVM)	Professor Emeritus, dr. techn.
Jensen, Lars Rosgaard	(MECH, AAU)	Associate Professor
Jensen, Marc Lundholm	(MEK-FAM)	Scientific Assistant
Jensen, Simon Mosbjerg	(MECH, AAU)	PhD student
Jensen, Stina Rask	(ENG, AU)	PhD student
Jespersen, Mads Carsten	(MEK-TES)	Scientific Assistant
Jespersen, Kristine Munk	(WIND)	Postdoc
Juhl, Peter Møller	(SDU-ME)	Associate Professor
Juhl-Nyholm, Herle Bagh	(MEK-K&P)	PhD student
Junker, Rune Grønborg	(COMPUTE)	PhD student
Juttner, Benjamin	(COMPUTE)	PhD student
Jönsson, Jeppe	(CIVIL)	Professor
Jørgensen, Jens Grandjean		Elected member, PhD
Jørgensen, John Bagterp	(COMPUTE)	Associate Professor
Jørgensen, Pernille Hartmund	(MEK-TES)	Scientific Assistant
Kain, Martin	(MEK-MPP)	PhD student
Karamehmedovic, Mirza	(COMPUTE)	Associate Professor
Kaschube, Deborah	(SDU-ME)	PhD student
Kepler, Jørgen	(MECH, AAU)	Associate Professor
Khalid, Waqas	(MEK-K&P)	PhD student
Khan, Daniyal	(SDU-ME)	PhD student
Kiefer, Janik	(WIND)	PhD student
Kim, Taesong	(WIND)	Associate Professor
Kirkegaard, Poul Henning	(ENG, AU)	Professor
Kjeld, Jonas Gad	(SDU-ME)	PhD student
Kjer, Magnus Bolt	(MEK-MPP)	PhD student
Klahn, Mathias	(MEK-FVM)	PhD student
Klingaa, Christopher Gottlieb	(MEK-MPP)	PhD student
Klit, Peder	(MEK-FAM)	Professor Emeritus, PhD
Knudsen, Jonas Emil Brønserud	(MEK-MPP)	Scientific Assistant
Knudsen, Kim	(COMPUTE)	Associate professor
Kofler, René	(MEK-TES)	Scientific Assistant
Kontos, Stavros	(WIND)	Postdoc
Koss, Holger	(CIVIL)	Associate Professor
Kozarcenin, Smail	(ENG, AU)	PhD student

Kravchenko, Mariia	(MEK-K&P)	PhD student
Krenk, Steen	(MEK-FAM)	Professor Emeritus, dr.techn.
Kristensen, Philip Kræn	(MEK-FAM)	PhD student
Kristiansen, Hansotto	(MEK-FAM)	PhD student
Kristiansen, Kristian Uldall	(COMPUTE)	Associate Professor
Krogh, Christian	(MECH, AAU)	Postdoc
Krüger, Kilian	(MEK-MPP)	PhD student
Kumar,Rajnish	(WIND)	PhD student
Kværndrup, Frederik Bojsen	(MEK-MTU)	PhD student
Kærn, Martin Ryhl	(MEK-TES)	Senior researcher
Körkel, Andreas F.K.	(MEK-MTU)	PhD student
Larsen, Jan Balle		Elected member, PhD.
Larsen, Michael Roland	(MEK-MPP)	PhD student
Larsen, Mikkel Løvenskjold	(SDU-ME)	PhD student
Larsen, Poul Scheel	(MEK-FVM)	Professor Emeritus, PhD
Larsen, Raino Mikael	(MECH, AAU)	Associate Professor
Legarth, Brian N.	(MEK-FAM)	Associate Professor, PhD
Lemvig, Jakob	(COMPUTE)	Associate Professor
Lenau, Torben Anker	(MEK-K&P)	Associate Professor
Leto, Harun	(MECH, AAU)	PhD student
Li, Feng	(MEK-MTU)	PhD student
Li, Runguang	(MEK-MPP)	Postdoc
Li, Xuerong	(MECH, AAU)	Phd student
Li, Yuzhu	(MEK-FVM)	Postdoc
Li, Zhongyi	(MECH-AAU)	PhD student
Liljenherte, Johannes	(ENG, AU)	PhD student
Lindgaard, Esben	(MECH, AAU)	Associate Professor
Lindkvist, Adam Alexander	(MEK-MPP)	PhD student
Liu, Hailiang	(ENG, AU)	PhD student
Loaldi, Dario	(MEK-MPP)	PhD student
Luczak, Martin M.	(WIND)	Senior Researcher
Lund, Erik	(MECH, AAU)	Professor, PhD
Lund, Ivar	(SDU-ME)	Associate Professor
Luongo, Andrea	(MEK-MPP)	Postdoc
Lützen, Marie	(SDU-ME)	Associate Professor
Madsen, Bo	(WIND)	Senior Scientist
Madsen, Freddy Johannes	(WIND)	PhD student
Madsen, Frederik Grønborg	(MEK-MPP)	PhD student
Madsen, Per A.	(MEK-FVM)	Professor, dr.techn.
Madsen, Søren Peder	(ENG, AU)	Associate Professor
Mahdavi, Hamidreza	(MEK-FAM)	PhD student
Mahshid, Rasoul	(MEK-MPP)	Researcher
Manouchehr, Mehrtash	(MEK-FAM)	Scientific Assistant
Mantis, Ioannis	(MEK-MTU)	Scientific Assistant
Markussen, Wiebke Brix	(MEK-TES)	Associate Professor
Markvorsen, Steen	(COMPUTE)	Professor, dr. techn., PhD
Marti, Ignacio	(WIND)	Head of Section
Matte, Oliver	(MATH, AAU)	Associate Professor
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Mikkelsen, Lars Pilgaard	(WIND)	Associate Professor

Mikkelsen, Robert Flemming	(WIND)	Senior Researcher
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Moalemi, Arefhossein	(WIND)	PhD student
Mogensen, Julie Lynggaard	(MEK-FAM)	PhD student
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Moncy, Aakash	(MEK-FAM)	PhD student
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Müller, Georg Otto	(MEK-K&P)	PhD student
Møller Andersen, Mads Emil	(CIVIL)	PhD student
Møller, Jesper	(MATH, AAU)	Professor
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Nemati, Arash	(MEK-FVM)	PhD student
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Nielsen, Anne Ryelund	(COMPUTE)	PhD student
Nielsen, Chris Valentin	(MEK-MPP)	Associate Professor
Nielsen, Jannie Sønderkær	(BUILD, AAU)	Associate Professor
Nielsen, Jens Henrik	(CIVIL)	Assistant Professor
Nielsen, Kim Lau	(MEK-FAM)	Associate Professor
Nielsen, Leif Otto	(CIVIL)	Associate Prof. Emeritus
Nielsen, Morten	(MATH, AAU)	Professor
Nielsen, Niels-Jørgen Rishøj		Elected member, PhD.
Nielsen, Ulrik Dam	(MEK-FVM)	Associate Professor
Nikitin, Ivan	(MEK-MTU)	Scientific Assistant
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Nzulumike, Achebe Niels Olesen	(MEK-MTU)	PhD student
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Olesen, John Forbes	(CIVIL)	Associate Professor
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Ommen, Torben Schmidt	(MEK-TES)	Researcher
Ong, Jiun Cai	(MEK-FVM)	Postdoc
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Pedersen, David Bue	(MEK-MPP)	Senior Researcher
Pedersen, Johan Rønby	(MATH, AAU)	Associate Professor
Pedersen, Lars	(BUILD, AAU)	Associate Professor
Pedersen, Michael	(COMPUTE)	Professor, dr.techn.

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Rasmussen, John	(MECH, AAU)	Professor
Rasmussen, Morten Grud	(MATH, AAU)	Associate Professor
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