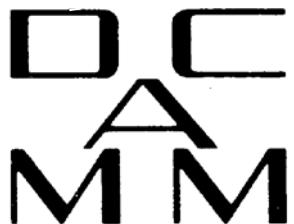# DANISH CENTER FOR APPLIED

MATHEMATICS AND MECHANICS

ANNUAL REPORT
2010

DCAMM

TECHNICAL UNIVERSITY OF DENMARK
and AALBORG UNIVERSITY

FOREWORD

This 2010 annual report contains information on publications, seminars and guests. The report mainly serves as a reference and documentation for accomplished activities. Detailed information is available on our homepage: www.dcamm.dk and on the homepages of the cooperating departments.

As decided last year, the DCAMM report series has been discontinued, and the last three DCAMM reports have been published on our webpage this year. The reports have no doubt had a great influence on DCAMM's research in the past, but the internet and rapid publication possibilities elsewhere have declined their importance.

The DCAMM Research School receives funding from Forskeruddannelsesud-valget (FUU) under the Ministry of Science, Technology and Innovation, for course activities and scholarship programmes for visiting students and postdocs. The school organized or co-organized 12 special, intensive courses in 2010, in addition to the standard courses at DTU and AAU. The courses attracted around 300 participants, and of these approximately 80 were from abroad. The school thus continues to maintain its strong international profile. Details on the activities of the school and on 2011-courses are available on the DCAMM website. The funding from FUU will stop in August 2011. In the future, DCAMM's Research School will form the basis for the research education activities at DTU Mathematics and DTU Mechanical Engineering. Hence the activities are expected to be continued or even strengthened under the new chairmanship.

As of January 1st, 2011 Christian F. Niordson has taken over the chairmanship of DCAMM .

As of 1 January 2011, the departments cooperating in DCAMM are:

from the **Technical University of Denmark**:
IMM:	Dept. of Informatics and Mathematical Modelling
MAT:	Dept. of Mathematics
MEK:	Dept. of Mechanical Engineering
	(Solid Mechanics, Fluid Mechanics, Manufacturing Engineering, Materials and Surface Engineering, Maritime Engineering, Thermal Energy Systems)
Risø DTU:	National Laboratory of Sustainable Energy

from **Aalborg University**:
CIVIL:	Department of Civil Engineering
M-TECH:	Department of Mechanical and Manufacturing Engineering

I thank our international contacts for their support and inspiration.

Ole Sigmund

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CONTENTS

1.   MEMBERS 2010

 42 professors
123 scientific members   at the six coorperating departments at the Center
118 Ph.D.-students

27 elected members
9 foreign members

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

2. FOREIGN MEMBERS

Professor Hassan Aref
Department of Engineering Science & Mechanics
Virginia Polytechnic Institute and State University
Norris Hall 320
Blacksburg, VA 24061
USA

Professor G.I. Barenblatt
Department of Mathematics
University of California, Berkeley
970 Evens Hall # 3840
Berkeley, CA 94720-3840
USA

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

Professor Joseph B. Keller
Department of Mathematics and Mechanical Engineering
Stanford University, Stanford, California
USA

Professor Michael S. Longuet-Higgins
Department of Applied Mathematics and Theoretical Physics
University of Cambridge
UK

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

Professor Alan Needleman
Department of Materials Science & Engng.
University of North Texas
1155 Union Circle
305310 Denton, TX 76203-5017
USA

Professor S. Nemat-Nasser
The UCSD Jacobs School of Engineering
Center of Excellence for Advanced Materials
4209 Engineering Building I
9500 Gilman Drive
La Jolla, CA 92093
USA

Professor Bertil Storåkers
Kungliga Tekniska Högskolan
S-100 44 Stockholm 9500
Sweden

3. GUESTS FOR EXTENDED PERIODS IN 2010
(more than a fortnight)

Guest professors & post docs:

Aldred, R.E.L., University of Otago, Dunedin, New Zealand, 4.10.10 – 27.11.10

Chandra, Abhijit, Iowa State University, Ames, USA, 30.4.10 – 28.5.10

Gaididei, Yuri B., Bogolyubov Institute of Theoretial.Physics, Kiev, Ukraine, 25.5.10 – 25.6.10

Genta, Gianfranco, Politecnio di Torino, Italy, 31.8.10 – 15.9.10

Ghorpade, Sudhir Ramakant, Indian Institute of Science, 26.4.10 – 17.7.10

Hubert, Cedric, Univ. of Valenciennes et Hainaut Cambresis, France, Oct. – Dec. 2010

Iakolov, Serguei, Dalhousie University, Halifax, Canada, 20.4.10 – 31.8.10

Jaskula, Marian, Jagiellonian University – 5 months from 2010 - 2011

Jündgen, André, California State University San Marcos, 3.5.10 – 30.6.10

Kircave, Ozgur, Istanbul Technical University, Turkey, 1.4.09 – 1.4.10

Schevenelt, Mattias, K.U. Leuven, Belgium, 2.8.10 – 30.10.10

Sherry, Machael, Monash University, Australia, 1.10.10 – 30.11.10

Tetsuo, Aida, Toyama University, Japan, January – March 2010

Wadman, Boel, SWERFA – IVF, Gothenburg, Sweden – 1 month 2010

Ph.D. students

Bagheri, Nasour, 6.8.10 – 2.10.10

Bela, Szilvia, Johannes Keppler Universität, Austria, 6.4.10 – 2.6.10

Byeongseon, Jeong, KAIST, Republic of Korea, 28.5. – 1.7.10

Cheng, Jiangtao, ChongQing University, China, 1.9.09 – 31.8.10

Farcaş, Ramona Păcurar, DME Technical University of Cluj-Napoca, 31.8.10 – 20.12.10

Jang, Sumi, KAIST, Republic of Korea, 28.5. – 1.7.10

Junge, Steffen, Norweg. Univ. of Science and Technology, Norway, 1.2.10 - 30.6.10

Kook, Junghwan, Gwangju Institute of Science & Techn., Korea, 20.11.09 – 20.5.10

Qiang, Xiaoping, Illinois Institue of Technology, Chicago, USA, 20.8.10 – 20.12.10

Wang, Ming Qing, Beijing University, China, 10.09.09 – 10.03.10

Xiao, Xiangchung, Xiamen University, China, 1.1.10-26.4.10

4. PUBLICATIONS IN 2010

4A. INTERNATIONAL JOURNALS WITH PEER REVIEW

Aage, Niels; Mortensen, Asger; Sigmund, Ole.
Topology optimization of metallic devices for microwave applications. International Journal for Numerical Methods in Engineering, (2010), 83(2), 228-248.

Ali, Syed Talat; Lebæk, Jesper; Nielsen, Lars Pleth; Mathiasen, Claus; Møller, Per; Kær, S.K.
Thin film thermocouples for in situ membrane electrode assembly temperature measurements in a polybenzimidazole-based high temperature proton exchange membrane unit cell. Journal of Power Sources, (2010), 195(15), 4835-4841.

Lebæk, Jesper; Ali, Syed Talat; Møller, Per; Mathiasen, Claus; Nielsen, Lars Pleth; Kær, Søren Knudsen.
Quantification of in situ temperature measurements on a PBI-based high temperature PEMFC unit cell. International Journal of Hydrogen Energy, (2010), 35(18), 9943-9953.

Amir, Oded; Stolpe, Mathias; Sigmund, Ole
Efficient use of iterative solvers in nested topology optimization.Structural and Multidisciplinary Optimization, vol.: 42(1), pp. 55-72 (2010). Springer.

Andersen, Lars: Assessment of Lumped-Parameter Models for Rigid Footings. Computers & Structures. (2010), 88(23-24). 1333-1347.

Andersen, M.S.; Damsgaard, M.; Mac-Williams, B.; Ramussen, J.
A computationally efficient optimisation-based method for parameter identification of kinematically determinate and over-determinate biomechanical systems. Computer Methods in Biomechanica and Biomedical Engineering, (2010) 13, 2, s. 171-183.

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Mechanism and machine Theory. (2010) 45, 2.

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and Micro Gas Turbine Hybrid Systems. Energy Conversion and Management,
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Nakamura, T.; Schmid, S.; Yoshida, M..
Environmentally Benign Tribo-systems for Metal Forming: Keynote paper. C I R P
Annals, (2010), .59(2), 760-780.

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Milled Die Steel Surface Roughness Correlation with Steel Sheet Friction. C I R P
Annals, (2010), 59(1), 577-580.

Nilsson, Morten Sixten; Olsson, David Dam; Petrushina, Irina; Andreasen, Jan L.;
Bay, Niels; Christensen, Erik; Bjerrum, Niels.
Strategic surface topographies for enhanced lubrication in sheet forming of stainless
steel. International Journal of Surface Science and Engineering, (2010), 4(1), 68-79.

Olsson, David Dam; Bay, Niels; Andreasen, Jan L..
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Science and Engineering, (2010), 4(1), 2-12.

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8. DCAMM SEMINARS GIVEN IN 2010

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Professor Jean-Baptiste Leblond: In-Plane Coalescence of Cracks. 24 February 2010. Institut Jean Le Rond d'Alembert, Université Pierre et Marie Curie (Paris VI) Paris, France

APPENDIX: List of members 2010

Abbreviations:

from Technical University of Denmark

IMM: Dept. of Informatics and Mathematical Modelling
MAT: Dept. of Mathematics
MEK-FAM: Dept. of Mechanical Engineering, Solid Mechanics
MEK-FM: Dept. of Mechanical Engineering, Fluid Mechanics
MEK-MPP: Dept. of Mechanical Engineering, Manufacturing Engineering
MEK-MTU: Dept. of Mechanical Engineering, Materials Science and Engineering
MEK-SKK: Dept. of Mechanical Engineering, Maritime Engineering
MEK-TES: Dept. of Mechanical Engineering, Thermal Energy Systems
RISØ: National Laboratory of Sustainable Energy

from Aalborg University

CIVIL, AAU: Department of Civil Engineering
M-TECH, AAU: Department of Mechanical and Manufacturing Engineering

Aage, Niels	(MEK-FAM)	PhD student
Abdelrahemm, Mohammed A.	(MAT)	PhD student
Ali, Syed Talat	(MEK-MTU)	PhD student
Alimadadi, Hossein	(MEK-MTU)	PhD student
Ambat, Rajan	(MEK-MTU)	Associate Professor
Amir, Oded	(MAT)	PhD student
Andersen, Lars	(CIVIL, AAU)	Associate Professor, PhD
Andersen, Michael Skipper	(M-TECH-AAU)	PhD student
Andersen, Morten	(MAT)	PhD student
Andersen, Poul	(MEK-SKK)	Associate Professor
Andersen, Søren Bøgh	(MEK-FAM)	PhD student
Andersen, Søren Mikkel	(CIVIL, AAU)	PhD student
Andkjær, Jacob Anders	(MEK-FAM)	PhD student
Andreasen, Casper Schousboe	(MEK-FAM)	PhD student
Andreasen, Jens H.	(M-TECH, AAU)	Associate Professor
Angel, Jais Andreas Breusch	(MEK-MPP)	PhD student
Azizi, Reza	(MEK-FAM)	PhD student
Back-Pedersen, Andreas		Elected member, PhD.
Bai, Shaoping	(M-TECH, AAU)	Assistant Professor
Bang-Møller, Christian	(MEK-TES)	PhD student
Bay, Niels	(MEK-MPP)	Professor
Beelen, Peter	(MAT)	Associate Professor
Bendsøe, Martin		Elected member, Professor
Berggreen, Christian	(MEK-SKK)	Associate Professor
Bhowmik, Subrata	(MEK-SKK)	PhD student
Bihlet, Uffe	(MEK-MTU)	PhD student
Bingham, Harry B.	(MEK-SKK)	Associate Professor
Bisacco, Giuliano	(MEK-MPP)	Assistant Professor, PhD
Blasques, José Pedro A. A.	(MEK-SKK)	PhD student
Bohr, Tomas		Elected member, Professor
Borbye, Jakob	(MEK-FM)	PhD student
Borghoff, Julia	(MAT)	PhD student
Bræstrup, M. W.		Elected member, PhD.

Brander, David	(MAT)	Assistant Professor
Branner, Kim	RISØ	Senior Researcher
Bredmose, Henrik	(MEK-FM)	Assistant Professor
Brix, Wiebke	(MEK-TES)	PhD student
Brohus, Henrik	(CIVIL, AAU)	Associate Professor, ph.d.
Brøndsted, Povl	RISØ	Senior Researcher
Brøns, Morten	(MAT)	Professor, PhD
Buhl, Thomas	RISØ	Senior Researcher
Bureau, Emil	(MEK-FAM)	PhD student
Byskov , Esben	(CIVIL, AAU)	Emeritus Professor, dr.techn.
Calaon, Matteo	(MEK-MPP)	Research Assistant
Cantatore, Angela	(MEK-MPP)	Postdoc
Carli, Lorenzo	(MEK-MPP)	PhD student
Cavar, Dalibor	(MEK-FM)	Assistant Professor
Cederkvist, Jan		Elected member, PhD.
Cerda, Alejandro	(MEK-FAM)	PhD student
Ceron, Emanno	(MEK-MPP)	PhD student
Charca, Samuel	(M-TECH, AAU)	Postdoc
Chougule, Prasad	(CIVIL, AAU)	PhD student
Christensen, Ole	(MAT)	Professor, dr.scient.
Christiansen, Caspar Ask	(MEK-FM)	PhD student
Christiansen, Thomas	(MEK-MTU)	Senior Scientist
Clausen, Johan Christian	(AAU-CIVIL	Postdoc
Clausen, Lasse Røngaard	(MEK-TES)	PhD student
Dahl, Jonas	(M-TECH, AAU)	PhD student
Dahl, Kristian Vinter	(MEK-MTU)	Postdoc.
Damkilde, Lars	(CIVIL, AAU)	Professor
Dammann, Bernd	(IMM)	Associate Professor
Danielsen, Hilmar	(MEK-MTU)	Postdoc.
Darula, Radoslav	(M-TECH, AAU)	PhD student
De Chiffre, Leonardo	(MEK-MPP)	Professor
De Grave, Arnaud	(MEK-MPP)	Assistant Professor
Dimitrov, Nikolai	(MEK-SKK)	PhD student
Ditlevsen, Ove Dalager	(MEK-SKK)	Emeritus Professor
Dolomanova, Viktoriya	(M-TECH, AAU)	PhD student
Dühring, Maria B.	(MEK-FAM)	Postdoc
Duun, Marie Bro	(MAT)	PhD student
Egelund, Arne Jørgensen	(MEK-TES)	Associate Professor
Elesin, Yuriy	(MEK-FAM)	Postdoc
Elmegaard, Brian	(MEK-TES)	Head of Section, Associate Prof.
Elmegaard, Michael	(MAT)	PhD student
Engsig-Karup, Allan Peter	(IMM)	Assistant Professor
Eriksen, Rasmus Normann W.	(MEK-SKK)	PhD student
Eriksen, Rasmus Solmer	(MEK-MPP)	PhD student
Evgrafov, Anton	(MAT)	Assistant Professor
Farahani, Saeed D.	(M-TECH, AAU)	PhD student
Fedorov, Vladimir	(MEK-SKK)	PhD student
Frandsen, Henrik Lund	RISØ	Researcher
Fredsøe, Jørgen	(MEK-SKK)	Professor
Frier, Christian	(CIVIL, AAU)	Assistant Professor, PhD
Friis, Kasper Storgaard	(MEK-MPP)	Postdoc
Frisvad, Jeppe	(IMM)	Assistant professor
Fuglede, Niels	(MEK-FAM)	PhD student
Fuhrman, David R.	(MEK-SKK)	Assistant Professor
Gasparin, Stefania	(MEK-MPP)	Research Assistant
Gauravaram, Praveen	(MAT)	Postdoc.
Giversen, Søren	(MEK-SKK)	PhD student

Godi, Allesandro	(MEK-MPP)	PhD student
Graeme, Keith		Elected member
Gravesen, Jens	(MAT)	Associate Professor, dr.phil
Gregersen, Misha Marie	(MAT)	Postdoc
Gunnarsson, Sverrir Grjimir	(MEK-MTU)	PhD student
Gunneskov, Ole		Elected member, PhD.
Haglind, Fredrik	(MEK-TES)	Postdoc.
Haider, Sajjad	(MEK-FM)	PhD student
Hald, John	(MEK-MTU)	Affiliated Professor
Halkjær, Søren		Elected member
Hansen, Hans Nørgaard	(MEK-MPP)	Professor
Hansen, Kim Rene	(MEK-FM)	PhD student
Hansen, Kurt Schaldemose	(MEK-FM)	Assistant Professor
Hansen, Martin Otto Laver	(MEK-FM)	Assistant Professor
Hansen, Morten Hartvig	RISØ	Senior Researcher
Hansen, Nilas Mandrup	(MEK-SKK)	PhD student
Hansen, Per Chr.	(IMM)	Professor, dr. techn.
Hassing, Henrik		Elected member
Hattel, Jesper Henri	(MEK-MPP)	Professor
Henriksen, Christian	(MAT)	Associate Professor, PhD
Hernández, Gabriel G. M.	(MEK-FM)	PhD student
Hjorth, Poul	(MAT)	Associate Professor, PhD
Høgsberg, Jan Becker	(MEK-SKK)	Associate Professor
Høholdt, Tom	(MAT)	Professor
Horsewell, Andy	(MEK-MTU)	Professor
Hosseinzadeh, Elham	(MEK-TES)	PhD student
Hougaard, Peter		Elected member, PhD.
Hummelshøj, Thomas	(MEK-MTU)	PhD student
Ibsen, Lars Bo	(CIVIL, AAU)	Professor, MSO, PhD
Islam, Mohammad Aminul	(MEK-MPP)	Postdoc.
Ivarsson, Anders	(MEK-FM)	PhD student
Jacobsen, Christian Brix		Elected member, PhD.
Jacobsen, Niels Gjøl	(MEK-SKK)	PhD student
Jakobsen, Kasper Rønnow	(MEK-MTU)	PhD student
Jariyaboon, Manthana	(MEK-MTU)	Postdoc
Jellesen, Morten Stendahl	(MEK-MTU)	Postdoc
Jensen, Henrik Myhre		Elected member, Professor
Jensen, Jacob Hjelmager	(MEK-SKK)	Associate Professor
Jensen, Jakob S.	(MEK-FAM)	Associate Professor, PhD
Jensen, Jørgen Juncher	(MEK-SKK)	Head of Section, Professor
Jensen, Lars Rosgaard	(M-TECH, AAU)	Associate Professor
Jensen, Louise Søgaard	(MEK-MTU)	PhD student
Jensen, Michael Vincent	(MEK-FM)	PhD student
Jensen, Palle Martin	(MEK-SKK)	PhD student
Jespersen, Klaus Nielsen	(MEK-FAM)	Research Assistant
Jessen, Jannie	(CIVIL, AAU)	PhD student
Johansen, Axel Ohrt	(MEK-TES)	PhD student
Jørgensen, Jakob Heide	(IMM)	PhD student
Jørgensen, John Bagtermp	(IMM)	Assistant Professor
Kallesøe, Bjarne S.	RISØ	Senior Researcher
Kartansdóttir, Cecilia	(MEK-MTU)	PhD student
Kepler, Jørgen Asbøl	(M-TECH, AAU)	Associate Professor
Kimiaeifar, Amin	(M-TECH, AAU)	PhD student
Kirca Özgür	(MEK-SKK)	Postdoc
Kirkegaard, Poul Henning	(CIVIL, AAU)	Associate Professor
Klit, Peder	(MEK-FAM)	Professor, PhD
Knudsen, Kim	(MAT)	Associate professor

Knudsen, Lars Ramkilde	(MAT)	Professor
Knudsen, Thomas S.		Elected member, PhD.
Kotas, Petr	(MEK-MPP)	PhD student
Krenk, Steen	(MEK-SKK)	Professor
Kristensen, Anders Schmidt	(CIVIL, AAU)	Associate Professor
Kristensen, Hans O. H.	(MEK-SKK)	Senior Researcher
Kristensen, Sten Esbjørn	(MEK-SKK)	PhD student
Kærgaard, Kasper Hauberg	(MEK-SKK)	PhD student
Lahriri, Said	(MEK-FAM)	PhD student
Larsen, Mikael	(M-TECH, AAU)	Associate professor
Larsen, Poul Scheel	(MEK-FM)	Emeritus Professor
Lazarov, Boyan Stefanov	(MEK-FAM)	Postdoc., PhD
Leander, Gregor	(MAT)	Assistant Professor
Lee, Seunghwan	(MEK-MTU)	Associate Professor
Legarth, Brian N.	(MEK-FAM)	Associate Professor, PhD
Lindberg, Ole	(MEK-SKK)	PhD student
Lindgaard, Esben	(M-TECH, AAU)	Assistant Professor
Lind-Nielsen, Birger		Elected member, PhD.
Lomholt, Trine Colding	(MEK-MTU)	PhD student
Lund, Erik	(M-TECH, AAU)	Professor
Lund, Morten Enemark	(M-TECH, AAU)	PhD student
Ma, Jing	(M-TECH, AAU)	PhD student
Madaleno, Liliana	(M-TECH, AAU)	PhD student
Madsen, Kaj	(IMM)	Professor, dr. techn.
Madsen, Per A.	(MEK-SKK)	Professor
Marhadi, Kun	(MAT)	Postdoc
Markvorsen, Steen	(MAT)	Professor, dr. techn.
Matzen, René	(MEK-FAM)	PhD student
Meyer, Knud Erik	(MEK-FM)	Assistant Professor
Mikkelsen, Lars Pilgaard	RISØ	Senior Researcher
Mikkelsen, Robert Flemming	(MEK-FM)	Assistant Professor
Minzari, Daniel	(MEK-MTU)	PhD student
Mishnaevsky, Leon	RISØ	Senior Resercher, Dr.-Ing.
Møller, Per	(MEK-MTU)	Professor
Montgomery, Melanie	(MEK-MTU)	Associate Professor
Morosi, Stefano	(MEK-FAM)	PhD student
Mortensen, Erling Dam	(MEK-MPP)	Engineer
Mosca, Allesandra	(MEK-MTU)	Postdoc
Moslemian, Ramin	(MEK-SKK)	PhD student
Moumeni, Elham	(MEK-MPP)	PhD student
Mouritsen, Ole Ø.	(M-TECH, AAU)	Associate Professor
Müller, Pavel	(MEK-MPP)	PhD student
Néstor, Ramos García	(MEK-FM)	PhD student
Nezhentseva, Anastasia	(CIVIL, AAU)	PhD student
Nguyen, Dang Manh	(MAT)	PhD student
Nielsen, Anders Vedel	(MEK-SKK)	PhD student
Nielsen, Claus Suldrup	(MEK-FM)	Research Assistant
Nielsen, H. Bruun	(IMM)	Associate Professor, PhD
Nielsen, Jan Balle		Elected member, PhD.
Nielsen, Johan S. Rosenkilde	(MAT)	PhD student
Nielsen, Kasper Kirstein	(MEK-MPP)	PhD student
Nielsen, Kim Lau	(MEK-FAM)	PhD student
Nielsen, Leif Otto		Elected member, Associate Prof.
Nielsen, Martin Bjerre	(MEK-SKK)	Research Assistant
Nielsen, Michael Wenani	(MEK-MPP)	PhD student
Nielsen, Niels-Jørgen Rishøj		Elected member, PhD.
Nielsen, Peter Nørtoft	(MAT)	PhD student

Nielsen, Søren R.K.	(CIVIL, AAU)	Professor, dr.techn.
Nielsen, Ulrik Dam	(MEK-SKK)	Assistant Professor
Niordson, Christian	(MEK-FAM)	Associate Professor, PhD
Niu, Bin	(M-TECH, AAU)	Postdoc
Nwaogu, Ugochukwu Chivuzoh	(MEK-MPP)	PhD student
Obeidat, Anas	(MEK-FM)	PhD student
Okulov, Valery	(MEK-FM)	Professor
Olesen, Christian Gammelgaard	(M-TECH, AAU)	PhD student
Olhoff, Niels	(M-TECH, AAU)	Professor
Oshkovr, Simin A.	(M-TECH, AAU)	PhD student
Ottosen, Niels Saabye		Elected member, Professor
Paletti, Hara Naga K. T.	(M-TECH, AAU)	PhD student
Pantleon, Karen	(MEK-MTU)	Associate Professor
Pedersen, Benjamin Pjedsted	(MEK-SKK)	PhD student
Pedersen, David Bue	(MEK-MPP)	PhD student
Pedersen, Johan Rønby	(MAT)	PhD student
Pedersen, Louis	(MAT)	PhD student
Pedersen, Michael	(MAT)	Professor
Pedersen, Niels L.	(MEK-FAM)	Associate Professor, dr.techn.
Pedersen, Pauli	(MEK-FAM)	Emeritus Professor, dr.techn., HD
Pedersen, Preben Terndrup	(MEK-SKK)	Professor, PhD
Pedersen, Thomas Ørts		Elected member, PhD.
Pedersen, Troels Dyhr	(MEK-FM)	PhD student
Perram, John W.		Elected member, Professor
Perunovic, Jelena Vidic	(MEK-SKK)	PhD student
Petersen, Thomas		Elected member, PhD
Pillai, Saju	(M-TECH, AAU)	Postdoc
Poulios, Konstantinos	(MEK-FAM)	PhD student
Pyrz, Ryszard	(M-TECH, AAU)	Professor
Quispitupa, Amilcar	(MEK-SKK)	Postdoc.
Rabbani, Raja Abid	(MEK-TES)	PhD student
Ramachandran, Gireesh K.V. R.	(MEK-FM)	PhD student
Rasmussen, Henrik K.	(MEK-MPP)	Assistant professor
Rasmussen, Johannes Tophøj	(MEK-FM)	PhD student
Rasmussen, John	(M-TECH, AAU)	Professor
Rathinavelu, Umadevi	(MEK-MTU)	PhD student
Rauhe, Jens Christian M	(M-TECH, AAU)	Associate Professor
Ravn-Jensen, Kim		Elected members, PhD.
Read, Robert	(MEK-SKK)	Postdoc
Richelsen, Ann Bettina	(MEK-FAM)	Professor, PhD
Røgen, Peter	(MAT)	Associate Professor
Rokni, Masoud	(MEK-TES)	Associate Professor
Rootzén, Helle	(IMM)	Professor, Head of Department
Rosbjerg, Dan		Elected members, Professor
Sanderhoff, Peter	(MEK-MPP)	Laboratory Engineer
Santos, Ilmar F.	(MEK-FAM)	Associate Professor, Dr.-Ing.
Sarhadi, Ali	(MEK-MPP)	PhD student
Schilder, Frank	(MAT)	Assistant Professor, dr.phil.
Schjødt-Thomsen, Jan	(M-TECH, AAU)	Associate Professor
Schløer, Signe	(MEK-FM)	PhD student
Schramm, Jesper	(MEK-FM)	Assistant Professor
Seng, Sopheak	(MEK-SKK)	PhD student
Shen, Wen Zhong	(MEK-FM)	Assistant Professor
Shin, Keun Woo	(MEK-SKK)	PhD student
Sichani, Mahdi Teimouri	(CIVIL, AAU)	PhD student
Sigmund, Ole	(MEK-FAM)	Professor, dr.techn.
Sivebæk, Ion Marius	(MEK-MPP)	Assistant professor

Skovgaard, Ove	(MAT)	Professor
Somers, Marcel A. J.	(MEK-MTU)	Section head, Professor
Sørensen, Bent	RISØ	Senior Researcher
Sørensen, Jens Nørkær	(MEK-FM)	Professor
Sørensen, John Dalsgaard	(CIVIL, AAU)	Professor MSO, ph.d.
Sørensen, Mads Peter	(MAT)	Associate Professor
Sørensen, Niels Jakob		Elected member, PhD
Sørensen, Søren Nørgaard	(M-TECH, AAU)	PhD student
Sorokin, Sergey	(M-TECH, AAU)	Professor, PhD
Soyama, Juliano	(MEK-MTU)	PhD student
Spangenberg, Jon	(MEK-MPP)	PhD student
Stang, Henrik		Elected member, Associate Prof.
Starke, Jens	(MAT)	Associate Professor
Sterndorff, Martin J.		Elected member, PhD.
Stolpe, Mathias	(MAT)	Associate Professor
Sumer, B. Mutlu	(MEK-SKK)	Professor
Svendsen, Martin Nymann	(MEK-SKK)	PhD student
Svensson, Eilif		Elected member, Manager
Søe-Knudsen, Alf	(M-TECH, AAU)	PhD student
Taher, Siavash Talebi	(M-TECH, AAU)	PhD student
Thoft-Christensen, Palle	(CIVIL, AAU)	Emeritus Professor, ph.d.
Thomassen, Carsten	(MAT)	Professor
Thomsen, Jon Juel	(MEK-FAM)	Associate Professor, dr.techn.
Thomsen, Kim	(MEK-FAM)	PhD student
Thomsen, Ole Thybo	(M-TECH, AAU)	Professor
Thomsen, P. Grove	(IMM)	Emeritus Professor
Thomsen, Søren Steffen	(MAT)	PhD student
Thorborg, Jesper	(MEK-MPP)	Assistant Professor
Tiedje, Niels Skat	(MEK-MPP)	Associate Professor
Toft, Henrik Stensgaard	(CIVIL, AAU)	PhD student
Toftegaard, Helmuth L.	RISØ	Senior Researcher
Tosello, Guido	(MEK-MPP)	Research Assistant
True, Hans	(IMM)	Emeritus Professor
Tutum, Cem Celal	(MEK-MPP)	PhD student
Tvergaard, Viggo	(MEK-FAM)	Professor, dr.techn.
Umana, Valerie Gauthier	(MAT)	PhD student
Velte, Clara Marika	(MEK-FM)	PhD student
Vidic-Perunovic, Jelena	(MEK-SKK)	Postdoc.
Villa, Matteo	(MEK-MTU)	PhD student
Vinther, Frank	(MAT)	PhD student
Völcker, Carsten	(IMM)	PhD student
Walther, Jens Honore	(MEK-FM)	Associate Professor
Wang, Fengwen	(MEK-FAM)	PhD student
Wu, Guanglei	(M-TECH, AAU)	PhD student
Yu, Kajiia	(MEK-MPP)	PhD student
Zafar, Ashar	(M-TECH, AAU)	PhD student
Zambrano, Harvey A	(MEK-FM)	PhD student
Zenner, Erik	(MAT)	Assistant Professor
Zermeno, Victor Manuel R.	(MAT)	PhD student
Zhang, Lai	(MAT)	PhD student
Zhang, Yang	(MEK-MPP)	PhD student
Zhou, Lelai	(M-TECH, AAU)	PhD student
Zhu, Wei Jun	(MEK-FM)	Postdoc.
Øye, Stig	(MEK-FM)	Senior Researcher