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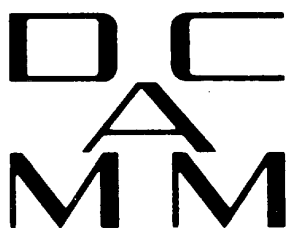
MATHEMATICS AND MECHANICS

ANNUAL REPORT
2008

DCAMM

TECHNICAL UNIVERSITY OF DENMARK
and AALBORG UNIVERSITY

DANISH CENTER FOR
APPLIED MATHEMATICS AND MECHANICS

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FOREWORD

This annual report about the year 2008 contains information on publications, seminars and guests.

The report serves mainly as reference and documentation for accomplished activities. Information on the actual activities as well as lists of older DCAMM reports and DCAMM S-reports are available on our homepage: www.dcamm.dk and on the homepages of the cooperating departments of the center.

The members are reminded that the orange DCAMM reports that earlier were sent out to members have been substituted by electronic reports that can be downloaded by members of the DCAMM mailing list from the DCAMM web-site www.dcamm.dk. The annual report is still distributed in a paper version.

The DCAMM Research School is a Research School that lives up to the national standards set up by Forskeruddannelsesudvalget (FUU) under the Ministry of Science, Technology and Innovation, and the school now receives funding from FUU for course activities and scholarship programmes for visiting students and postdocs. As of Jan. 1, 2008, more than 60 Ph.D. students are connected to the School. The School organized six special, intensive courses in 2008 (and was affiliated with three more), in addition to the standard courses given in the normal semester system for teaching at DTU and AAU. The courses attracted 174 participants, and of these 45 were from abroad. Thus the School continues to maintain its strong international profile. The School also continues to secure a number of special fellowships for full Ph.D. projects from FUU, including international fellowships which are carried out in close collaboration with industry. Details on the activities of the School and on courses for 2009 can also be found on the DCAMM website.

In 2008, the "DCAMM Annual Speaker" was Professor William K. George of Chalmers University of Technology, Sweden. Bill held his two talks entitled "A four decade quest for the elusive turbulent jet" and "Is there and asymptotic effect of initial and upstream conditions on turbulence?" for interested audiences at both Aalborg University and Technical University of Denmark in December.

As of Jan. 1, 2009, the departments cooperating within DCAMM are:
from **Technical University of Denmark**:
IMM: Dept. of Informatics and Mathematical Modelling
MAT: Dept. of Mathematics
MEK-ET: Dept. of Mechanical Engineering, Energy Engineering
MEK-FM: Dept. of Mechanical Engineering, Fluid Mechanics
MEK-FAM: Dept. of Mechanical Engineering, Solid Mechanics
MEK-SKK: Dept. of Mechanical Engineering, Maritime Engineering
MEK-MPP: Dept. of Mechanical Engineering, Manufacturing Engineering
MEK-MTU: Dept. of Mechanical Engineering, Materials Science and Engineering
from **Aalborg University**:
IBA-AAU: Department of Civil Engineering
IME-AAU: Department of Mechanical Engineering

I thank our international contacts for their support and inspirations.

Ole Sigmund

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CONTENTS

1. MEMBERS 2008

47 professors
111 scientific members   at the five coorperating departments at the Center
102 Ph.D.-students

33 elected members
12 foreign members

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

2. FOREIGN MEMBERS

Professor Hassan Aref
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Kungliga Tekniska Högskolan
Stockholm
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Department of Solid Mechanics
Kungliga Tekniska Högskolan
S-100 44 Stockholm
Sweden

3. GUESTS FOR EXTENDED PERIODS IN 2008

Achtziger, Wolfgang, Professor, University of Dortmund, 1.8 to 31.10.

Caputo, Jean Guy, Associate Professor, University of Rouen, France, 26.3 to 4.4

Ertel, Sonja, Ph.D. students, Universität Bayreuth, Germany, 13.5 to 31.5

Gaididei, Yuri B., Professor, Bogolyubov Institute of Theoretical Physics, Kiev, Ukraine, 3.3 to 3.6

Gaile, Stefanie, Ph.D. students, University of Erlangen-Nürnberg, Germany, 1.3-20.6.

Kim, Rae Young, Professor, Yeungnam University, South Korea, 21.7 to 10.8.

Lefebvre, Geoffrey, Master student, Ecole Polytechnique, France, 01.4 to 30.6

Rotthaus, Monika, Ph.D. students, Technische Universität Dortmund, Germany, 29.05 to 30.08.

Swami, Sachidanand, Ph.D. students, IIT Delhi, India, 19.12 to 28.2.

Schürhoff, Christoph, Ph.D. students , Faculty of Mathematics, Technische Universität Dortmund, Germany, 1.9 to 30.9.

4 . PUBLICATIONS IN 2008

4A. INTERNATIONAL JOURNALS WITH PEER REVIEW

Aage, N; Poulsen, T. H.; Gersborg-Hansen, A. and Sigmund, O.
Topology optimization of large scale stokes flow problems.Structural and
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"Efficient nonlinear reanalysis of skeletal structures using combined approximations."
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Topology optimization of microfluidic mixers. In: International Journal for Numerical
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I: The synthesis of dyads with one prismatic joint. Journal of Mechanical Design.
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Lubricant Test Methods for Sheet Metal Forming. In: Tribology International, vol:
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Rasmus Christian.
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Annals of CIRP , vol: 57(1), p. 113-116 (2008). Hallwag AG.

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I: Novel design of foam core junctions in sandwich panels. " Composites Part B:
Engineering. 2008 ; vol. 39, nr. 1, s. 185-190

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I: Characterisation of Local effects at Core Junctions in Sandwich Structures Using
Thermoelastic Stress Analysis. / Journal of Strain Analysis for Engineering Design.
2008 ; vol. 43, nr. 6, s. 469-492

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Concrete Coating for Marine Pipelines, Structural Concrete, Vol 9, No 4, pp 179-188,
Dec 2008

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Yield Line Theory and Concrete Plasticity, Magazine of Concrete Research, Vol 60,
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738. PEDERSEN, PAULI & PEDERSEN, NIELS LEERGAARD: Analytical optimal designs for long and short beam structures (June 2008)

739. ANDREASEN, CASPER SCHOUSBOE & GERSBORG, ALLAN ROULUND & SIGMUND, OLE: Topology optimization of microfluidic mixers (November 2008)

6. LIST OF DCAMM S-REPORTS (from no. S85) AND OTHER PhD. THESES

S1 - S84: Ask for separate book.

S85.   HANSEN, MORTEN H.: Aeroelasticity and Dynamics of Spinning Disks (September 1999)

S86.   POULSEN, THOMAS A.: Controlling Geometry in Topology Optimization (April 2002)

S87.   PEDERSEN, CLAUS B.W.: On Topology Design of Frame Structures for Crashworthiness (July 2002)

S88.   NIORDSON, CHRISTIAN F.: Non-local Modeling of Materials (September 2002)

S89.   BUHL, THOMAS: Design of Non-linear Mechanisms - Topology and Shape Optimization - (November 2002)

S90.   de la COUR, DORTHE D.: Identification of Material and Friction Parameters from Deep Drawing (August 2003)

S91.   LEGARTH, BRIAN NYVANG: Fracture and Damage with Plastic Anisotropy (April 2004)

S92.   PEDERSEN, SINE L.: Simulation and Analysis of Roller Chain Drive Systems (September 2004)

S93.   KAWAMOTO, ATSUSHI: Generation of Articulated Mechanisms by Optimization Techniques (December 2004)

S94.   HANSEN, LARS VOXEN: Design of fiber laser packages: Reducing and enhancing sensitivity to mechanical vibrations (February 2005)

S95.   BORG, ULRIK: Size Effects in Crystal Plasticity (January 2007).

S96.   GERSBORG-HANSEN, ALLAN: Topology Optimization of Flow Problems (April 2007).

S97.   KALLESØE, BJARNE SKOVMOSE: Aeroservoelasticity of Wind Turbines (April 2007).

S98.   FELTER, CHRISTIAN LOTZ: Lubrication of Piston Rings in Large 2- and 4-stroke Diesel Engines (March 2007).

S99.   DAM, BJARKE SKOVGÅRD: Experimental and Numerical Investigations of Sprays in Two Stroke Diesel Engines (May 2007).

S100. ZHU, WEI JUN: Aero-Acoustic Computation of Wind Turbines (October 2007).

S101. KJØLHEDE, KLAUS: Experimental Contribution to the Problem of Model Parameter Identification in Rotating Machines via Active Magnetic Bearings (March 2007).

S102. ØSTERGAARD, RASMUS C.: Interface Fracture in Composite Materials and Structures (November 2007).

S103. LUCHT, TORE: Analysis of Cracks in Large Diesel Engines (November 2007).

S104. LINDGREEN, BRITTA: Large Deformations of Polymers (February 2008).

S105. DIXEN, MARTIN: Interaction between seabed and scour protection , 2008 (p. 132) .

S106. ISLAM, MOHAMMAD AMINUL: Two component micro injection moulding for moulded interconnect devices , 2008 (p. 266) .

S107. SKJØDT, MARTIN: Rapid Prototyping by Single Point Incremental Forming of Sheet Metal , 2008 (p. 184) .

S108. TOSELLO, GUIDO: Precision moulding of polymer micro components : Optimization, Simulation, Tooling, Quality Control and Multi-Material Application , 2008 (p. 242) .

S109. TROLDBORG, NIELS:. Actuator Line Modeling of Wind Turbine Wakes , 2008 (p. 142) .

S110. ZHU, WEI JUN: Aero-Acoustic Computations of Wind Turbines , 2008 (p. 138) .

OTHER THESES

LEMVIG, JAKOB : "Wavelet frames and their duals", 2008 (pp. 139) PhD Thesis.

THOMSEN, SØREN STEFFEN : "Cryptographic Hash Functions", 2008 (pp.175) PhD Thesis.

MIOLANE, CHARLOTTE V. : "Block Cipher Analysis", 2008 (pp.176); PhD Thesis.

7. DCAMM SEMINARS GIVEN IN 2008

Professor Jan Valdman: Application of a mulgrid-based solver in computational elastoplasticity and in functional apposteriori estimates. 11 March 2008. SFB F013, Johannes-Kepler University of Linz, Altenberger Straße 69, 4040 Linz, Austria

Parviz E. Nikravesh: Modal Coordinates and the Choice of Floating Reference Frames in Def ormable Multibody Dynamics. 14 May 2008. Department of Aerospace and Mechanical Engineering. University of Arizona Tucson, AZ 85721 USA

Professor L. A. Carlsson: Investigation of the Sandwich Plate Twist Test. 22 May 2008. Department of Mechanical Engineering, Florida Atlantic University, USA

Professor William K. George: Lecture no. 1: A four decade quest for the elusive turbulent jet. Aalborg 11 December 2008 and DTU 16 December 2008. Turbulence Research Laboratory, Department of Applied Mechanics, Chalmers University of Technology, Sweden

Professor William K. George: Lecture no. 2: Is there an asymptotic effect of initial and upstream conditions on turbulence? Aalborg 12 December 2008 and DTU 16 December 2008. Turbulence Research Laboratory, Department of Applied Mechanics, Chalmers University of Technology, Sweden

APPENDIX: List of members January 2008

Abbreviations:

from Technical University of Denmark

IMM:	Dept. of Informatics and Mathematical Modelling
MAT:	Dept. of Mathematics
MEK-ET:	Dept. of Mechanical Engineering, Energy Engineering
MEK-FM:	Dept. of Mechanical Engineering, Fluid Mechanics
MEK-FAM:	Dept. of Mechanical Engineering, Solid Mechanics
MEK-SKK:	Dept. of Mechanical Engineering, Maritime Engineering
MEK-MPP:	Dept. of Mechanical Engineering, Manufacturing Engineering
MEK-MTU:	Dept. of Mechanical Engineering, Materials Science and Engineering

from Aalborg University

IBA-AAU:	Department of Civil Engineering
ME-AAU:	Institute of Mechanical Engineering

Aage, Niels	(MEK-FAM)	PhD student
Alimadadi, Hossein	(MEK-MTU)	PHD student
Alsholm, Preben Kjeld	(MAT	Associate Professor

Amir, Oded	(MAT)	PhD student
Andersen, Michael Skipper	(AAU-ME)	PhD student
Andersen, Nina Marianne	(MAT)	PhD student
Andersen, Poul	(MEK-SKK)	Associate Professor
Andersen, Stig Sune	(MEK-SKK)	Associate Professor
Andersen, Søren Mikkel	(AAU-CIVIL)	PhD student
Andreasen, Casper Schousboe	(MEK-FAM)	PhD student
Andreasen, Jens H.	(AAU-ME)	Associate Professor
Azizi, Reza	(MEK-FAM)	PhD student
Back-Pedersen, Andreas		Elected member, PhD.
Bai, Shaoping	(AAU-ME)	Assistant Professor
Bang-Møller, Christian	(MEK-ET)	PhD student
Barduca, Otello	(MEK.ET)	Assistant Professor
Bay, Niels	(MEK-MPP)	Professor
Beelen, Peter	(MAT)	Associate Professor
Bendsøe, Martin	(MAT)	Professor, dr. techn.
Berggreen, Christian	(MEK-SKK)	Associate Professor
Bergmann, René	(MEK-MPP)	PhD student
Berkemer, Rainer	(MAT)	Post doc.
Bhowmik, Subrata	(MEK-SKK)	PhD student
Bingham, Harry B.	(MEK-SKK)	Associate Professor
Blasques, José Pedro A. A.	(MEK-SKK)	PhD student
Bohr, Tomas		Elected member, Professor
Bogomolny, Michael	(MAT)	Post doc.
Borbye, Jakob	(MEK-ET)	PhD student
Brander, David	(MAT)	Assistant Professor
Brander, Kristian	(MAT)	PhD student
Branner, Bodil	(MAT)	Associate Professor
Branner, Kim		Elected member, Senior Scientist
Bredmose, Henrik	(MEK-ET)	Assistant Professor
Brincker, Rune	(AAU-CIVIL)	Associate Professor
Brix, Wiebke	(MEK-ET)	PhD student
Broe, Brian Riget	(MEK-ET)	PhD student
Brohus, Henrik	(AAU-CIVIL)	Associate Professor, ph.d.
Bræstrup, M. W.		Elected member, PhD.
Brøns, Morten	(MAT)	Professor, PhD
Buhl, Thomas		Elected member, Senior Scientist
Bull, Peter H.	(AAU-ME)	Post doc.
Byskov , Esben	(AAU-CIVIL)	Emeritus Professor, dr.techn.
Cavar, Dalibor	(MEK-ET)	Assistant Professor
Canh, Nam Nguyen	(MAT)	Post doc.
Carli, Lorenzo	(MEK-MPP)	PhD student
Carlsen, Henrik	(MEK-ET)	Professor, Head of Department
Cederkvist, Jan		Elected member, PhD.
Chandrasekaran, Karthik	(MEK-MPP)	Post doc.
Chidambaram, Vivek	(MEK-MPP)	PhD student
Christensen, Ole	(MAT)	Associate Professor, dr.scient.
Christiansen, Caspar Ask	(MEK-ET)	PhD student

Christiansen, Thomas	(MEK-MTU)	Senior Scientist
Clausen, Lasse Røngaard	(MEK-ET)	PhD student
Cordtz, Rasmus Lage	(MEK-ET)	Assistant Professor
Dahl, Kristian Vinter	(MEK-MTU)	Post doc.
Danielsen, Hilmar	(MEK-MTU)	Post doc.
De Chiffre, Leonardo	(MEK-MPP)	Professor
De Grave, Arnaud	(MEK-MPP)	Assistant Professor
Dias, Kealey	(MAT)	PhD student
Ditlevsen, Ove Dalager	(MEK-SKK)	Emeritus Professor
Dixen, Martin	(MEK-SKK)	PhD student
Domkin, Konstantin	(MEK-MPP)	Post. Doc.
Duun, Marie Bro	(MAT)	PhD student
Dühring, Maria B.	(MEK-FAM)	PhD student
Ebbesen, Morten Kjeld	(AAU-ME)	PhD student
Egelund, Arne Jørgensen	(MEK-ET)	Associate Professor
Elmegaard, Brian	(MEK-ET)	Head of Section, Associate Prof.
Enz, Stephanie	(MEK-FAM)	PhD student
Eriksen, Rasmus Solmer	(MEK-MPP)	PhD student
Estupinan, Edgar Alberto	(MEK-FAM)	PhD Student
Evgrafov, Anton	(MAT)	Assistant Professor
Fedorov, Vladimir	(MEK-SKK)	PhD student
Fredsøe, Jørgen	(MEK-SKK)	Professor
Frier, Chr.	(AAU-CIVIL)	Assistant Professor, ph.d.
Friis, Kasper Leth	(MEK-MPP)	PhD student
Friis-Hansen, Peter	(MEK-SKK)	Professor
Fuhrman, David R.	(MEK-SKK)	Assistant Professor
Gasparin, Stefania	(MEK-MPP)	Research Assistant
Gauravaram, Praveen	(MAT)	Post doc.
Gersborg, Allan Roulund	(MEK-FAM)	Assistant Professor
Graeme, Keith		Elected member
Gravesen, Jens	(MAT)	Associate Professor, dr.phil
Gunneskov, Ole		Elected member, PhD.
Haglind, Fredrik	(MEK-ET)	Post doc.
Haider, Sajjad	(MEK-ET)	PhD student
Hald, John	(MEK-MTU)	Affiliated Professor
Halkjær, Søren		Elected member
Hansen, Anders Libak	(AAU-ME)	PhD student
Hansen, Hans Nørgaard	(MEK-MPP)	Professor
Hansen, Kim Rene	(MEK-ET)	PhD student
Hansen, Kurt Schaldemose	(MEK-ET)	Assistant Professor
Hansen, Martin Otto Laver	(MEK-ET)	Assistant Professor
Hansen, Michael Rygaard	(AAU-ME)	Associate Professor
Hansen, Morten H.		Elected member, Senior Scientist
Hansen, Søren Kold	(MAT)	Associate Professor
Hansen, Søren Vinther	(MEK-SKK)	PhD student
Hansen, Vagn Lundsgaard	(MAT)	Professor, PhD
Hassing, Henrik		Elected member
Hattel, Jesper Henri	(MEK-MPP)	Professor

Haugaard, Martin Asger	(MEK-FAM)	PhD student
Heide, Jens	(MEK-MPP)	Assistant Professor
Heilskov, Nicolai	(MEK-ET)	PhD student
Henriksen, Christian	(MAT)	Associate Professor, PhD
Hernández, Gabriel G. M.	(MEK-ET)	PhD student
Hjorth, Poul	(MAT)	Associate Professor, PhD
Hummelshøj, Thomas	(MEK-MTU)	PhD student
Hougaard, Peter		Elected member, PhD.
Hvejsel, Christian Gram	(AAU-ME)	PhD student
Høgsberg, Jan Becker	(MEK-SKK)	Associate Professor
Høholdt, Tom	(MAT)	Professor
Islam, Mohammad Aminul	(MEK-MPP)	Post doc.
Ivarsson, Anders	(MEK-ET)	PhD student
Jacobsen, Christian Brix		Elected member, PhD.
Jakobsen, Johnny	(AAU-ME)	PhD Student
Jakobsen, Niels Gjøl	(MEK-SKK)	PhD student
Jensen, Henrik Myhre		Elected member, Professor
Jensen, Jakob S.	(MEK-FAM)	Associate Professor, PhD
Jensen, Jarl	(MEK-FAM)	Associate Professor, HD
Jensen, Jørgen Juncher	(MEK-SKK)	Head of Section, Professor
Jensen, Lars Rosgaard	(AAU-ME)	Associate Professor
Jensen, Michael Vincent	(MEK-ET)	PhD student
Joncquez, Soizic A. Gabrielle	(MEK-SKK)	PhD student
Karamehmedovic, Mirza	(MAT)	Post doc.
Kepler, Jørgen Asbøl	(AAU-ME)	Associate Professor
Kjærsgaard-Rasmussen, Jimmy	(MEK-ET)	PhD student
Klit, Peder	(MEK-FAM)	Professor, PhD
Knudsen, Lars Ramkilde	(MAT)	Professor
Knudsen, Kim	(MAT)	Associate professor
Knudesen, Thomas S.		Elected member, PhD.
Kokkendorf, Simon Lyngby	(MAT)	Assistant professor
Kotas, Petr	(MEK-MPP)	PhD student
Kratmann, Kasper Koops	(AAU-ME)	PhD student
Krenk, Steen	(MEK-SKK)	Professor
Kristensen, Brian Dahl	(MEK-ET)	Research Assistant
Kristensen, Hans O. H.	(MEK-SKK)	Senior Scientist
Kaasen, Rune	(MAT)	PhD student
Kwan, Maxine Mei Sum	(AAU-ME)	PhD student
Kærgaard, Kasper Hauberg	(MEK-SKK)	PhD student
Lajic, Zoran	(MEK-SKK)	PhD student
Langer, Thomas Heegaard	(AAU-ME)	PhD student
Larsen, Anders Astrup	(MAT)	PhD student
Larsen, Inger	(MAT)	Professor
Larsen, Mikael	(AAU-ME)	Associate professor
Larsen, Poul Scheel	(MEK-ET)	Emeritus Professor
Lazarov, Boyan Stefanov	(MEK-FAM)	Post doc., PhD
Leander, Gregor	(MAT)	Assistant Professor
Legarth, Brian N.	(MEK-FAM)	Associate Professor, PhD

Lemvig, Jakob	(MAT)	Assistent Professor
Leong, Martin Klitgaard	(AAU-ME)	PhD student
Lindemark, Torben	(MEK-MPP)	Assistant Professor
Lindgaard, Esben	(AAU-ME)	PhD student
Lind-Nielsen, Birger		Elected member, PhD.
Lund, Erik	(AAU-ME)	Professor
Lundsgaard-Larsen, Christian	(MEK-SKK)	PhD student
Madsen, Per A.	(MEK-SKK)	Professor
Mann, Jakob	(MEK-ET)	Research Professor
Mariegaard, Jesper Sandvig	(MAT)	PhD student
Marin, José Manuel Román	(MEK-MPP)	PhD student
Markvorsen, Steen	(MAT)	Professor, dr. techn.
Matusiewicz, Krystian	(MAT)	Post doc.
Matzen, René	(MEK-FAM)	PhD student
Meyer, Knud Erik	(MEK-ET)	Assistant Professor
Mikkelsen, Lars Pilgaard		Elected member, Senior Scientist
Mikkelsen, Robert Flemming	(MEK-ET)	Assistant Professor
Miolane, Charlotte Vikkelsø	(MAT)	PhD student
Morosi, Stefano	(MEK-FAM)	PhD student
Moslemian, Ramin	(MEK-SKK)	PhD student
Mouritsen, Ole Ø.	(AAU-ME)	Associate Professor
Munoz, Eduardo	(MAT)	PhD student
Mørch, Christian Sandersen	(MEK-ET)	PhD student
Néstor, Ramos García	(MEK-ET)	PhD student
Nielsen, Claus Suldrup	(MEK-ET)	Research Assistant
Nielsen, Jan Balle		Elected member, PhD.
Nielsen, Kim Lau	(MEK-FAM)	PhD student
Nielsen, Leif Otto		Elected member, Associate Prof.
Nielsen, Niels-Jørgen Rishøj		Elected member, PhD.
Nielsen, Søren R.K.	(AAU-CIVIL)	Professor, dr.techn.
Nielsen, Ulrik Dam	(MEK-SKK)	Assistant Professor
Niordson, Christian	(MEK-FAM)	Associate Professor, PhD
Niordson, Frithiof I.	(MEK-FAM)	Emeritus Professor, PhD
Okulov, Valery	(MEK-ET)	Professor
Olesen, Christian Gammelgaard	(AAU-ME)	PhD student
Olhoff, Niels	(AAU-ME)	Professor
Olsen, Flemming Ove	(MEK-MPP)	Professor
Ottosen, Niels Saabye		Elected member, Professor
Overgaard, Lars C. T.	(AAU-ME)	Assistant Professor
Pantleon, Karen	(MEK-MTU)	Associate Professor
Paul, Joachim	(MEK-ET)	Professor
Pedersen, Benjamin Pjedsted	(MEK-SKK)	PhD student
Pedersen, Johan Rønby	(MAT)	PhD student
Pedersen, Michael	(MAT)	Professor
Pedersen, Mikkel Melters	(AAU-ME)	PhD student
Pedersen, Niels L.	(MEK-FAM)	Associate Professor, dr.techn.
Pedersen, Pauli	(MEK-FAM)	Emeritus Professor, dr.techn., HD
Pedersen, Preben Terndrup	(MEK-SKK)	Professor

Pedersen, Rune	(MEK-FAM)	PhD student
Pedersen, Thomas Ørts		Elected member, PhD.
Pedersen, Troels Dyhr	(MEK-ET)	PhD student
Perram, John W.		Elected member, Professor
Petersen, Thomas		Elected member
Pyrz, Ryszard	(AAU-ME)	Professor
Quispitupa, Amilcar	(MEK-SKK)	Post doc.
Ramachandran, Gireesh K.V. R.	(MEK-ET)	PhD student
Rasmussen, Anders Rønne	(MAT)	PhD student
Rasmussen, Henrik K.	(MEK-MPP)	Assistant professor
Rasmussen, Johannes Tophøj	(MEK-ET)	PhD student
Rasmussen, John	(AAU-ME)	Professor
Rasmussen, Marie-Louise H.	(MAT)	PhD student
Rauhe, Jens Christian M	(AAU-ME)	Associate Professor
Ravn-Jensen, Kim		Elected members, PhD.
Richelsen, Ann Bettina	(MEK-FAM)	Professor, PhD
Rokni, Masoud	(MEK-ET)	Associate Professor
Rosbjerg, Dan		Elected members, Professor
Ruano, Diego,	(MAT)	Post doc.
Røgen, Peter	(MAT)	Associate Professor
Santos, Ilmar F.	(MEK-FAM)	Associate Professor, Dr.-Ing.
Scheufens, Ernst. E.	(MAT)	Associate Professor
Schjødt-Thomsen, Jan	(AAU-ME)	Associate Professor
Schmidt, Henrik Nikolaj Blicher	(MEK-MPP)	Assistant Professor
Schramm, Jesper	(MEK-ET)	Assistant Professor
Shen, Wen Zhong	(MEK-ET)	Assistant Professor
Shin, Keun Woo	(MEK-SKK)	PhD student
Sigmund, Ole	(MEK-FAM)	Professor, dr.techn.
Sivebæk, Ion Marius	(MEK-MPP)	Assistant professor
Skjødt, Martin	(MEK-MPP)	PhD student
Skovgaard, Ove	(MAT)	Professor
Somers, Marcel A. J.	(MEK-MTU)	Section head, Professor
Sorenson, Spencer C	(MEK-ET)	Professor
Sorokin, Sergey	(AAU-ME)	Professor
Stang, Henrik		Elected member, Associate Prof.
Starke, Jens	(MAT)	Associate Professor
Sterndorff, Martin J.		Elected member, PhD.
Stolpe, Mathias	(MAT)	Associate Professor
Stoustrup, Jakob		Elected member, Professor
Sumer, B. Mutlu	(MEK-SKK)	Professor
Svendsen, Martin Nymann	(MEK-SKK)	PhD student
Svensson, Eilif		Elected member, Manager
Sørensen, Bent		Elected member, Senior Scientist
Sørensen, Jens Nørkær	(MEK-ET)	Professor
Sørensen, John Dalsgaard	(AAU-CIVIL	Professor MSO, ph.d.
Sørensen, Mads Peter	(MAT)	Associate Professor
Sørensen, Niels Jakob		Elected member
Sørensen, Niels N.	(AAU-CIVIL)	Professor MSO, ph.d.

Sørensen, Søren Emil	(AAU-ME)	PhD student
Tabrizian-Ghalehno, Naja	(MEK-MPP)	PhD student
Thoft-Christensen, Palle	(AAU-CIVIL)	Emeritus Professor, ph.d.
Thomassen, Carsten	(MAT)	Professor
Thomsen, Jon Juel	(MEK-FAM)	Associate Professor, dr.techn.
Thomsen, Ole Thybo	(AAU-ME)	Professor
Thomsen, Søren Steffen	(MAT)	PhD student
Thorborg, Jesper	(MEK-MPP)	Assistant Professor
Tiedje, Niels Skat	(MEK-MPP)	Associate Professor
Tvergaard, Viggo	(MEK-FAM)	Professor, dr.techn.
Tutum, Cem Celal	(MEK-MPP)	PhD student
Umana, Valerie Gauthier	(MAT)	PhD student
Velte, Clara Marika	(MEK-ET)	PhD student
Vidic-Perunovic, Jelena	(MEK-SKK)	Post doc.
Walther, Jens Honore	(MEK-ET)	Associate Professor
Winther, Michael	(AAU-ME)	PhD student
Zafar, Ashar	(AAU-ME)	PhD student
Zambrano, Harvey A	(MEK-ET)	PhD student
Zee, Mark de	(AAU-ME)	Associate Professor
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	(AAU-ME)	PhD student
Zhu, Wei Jun	(MEK-ET)	Post doc.
Yang, Hua	(MEK-ET)	Visiting Professor
Østergaard, Niels Højen	(AAU-ME)	PhD student
Øye, Stig	(MEK-ET)	Assistant Professor