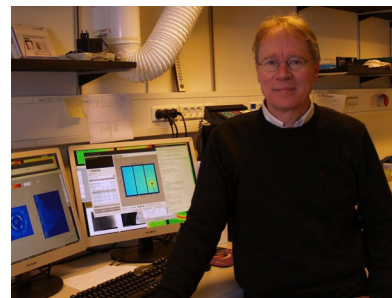


Kell Mortensen

Affiliation and official address:

Professor Emeritus
Niels Bohr Institute, University of Copenhagen
Universitetsparken 5, 03-306. 2100 Copenhagen, Denmark
Tel: +45 3532 0464 Mobile: +45 2151 6979

E-mail: kell@nbi.ku.dk
Web: <https://www.nbi.dk/~kell/>
<https://erda.ku.dk/vgrid/KELL/>



External User Profiles :

Research ID: <http://www.researcherid.com/rid/A-5066-2009>
Web of Science/ Publons: <https://www.webofscience.com/wos/author/rid/A-5066-2009>
ORCID: <http://orcid.org/0000-0002-8998-9390>
Google Scholar: <http://scholar.google.com/citations?user=7bLw3LIAAA>
Scopus: <http://www.scopus.com/authid/detail.url?authorId=7102811824>

Personal:

Date and Place of birth: Febr. 21, 1952, Rønne, Denmark
Nationality: Danish
Marital Status: Married to microbiol. Susanne Fogh, Two children (Bjarke 1981 and Rune 1985).
Private Address: Storevang 22, 3460 Birkerød. Tel: +45 2151 6979

Education

1981 Ph.D. Physics, Technical University of Denmark, Physics Lab. Thesis: *1D Organic Conductors*
1977 M.Sc. Engineering (Electro Physics) Technical University of Denmark, Thesis: *Lasers for Optical Communication*
1971 Gymnasium, Rønne Statsskole

Career/Employment

2007- Professor at University of Copenhagen, UCPH
2012-2019 Head of X-Ray and Neutron Science at Niels Bohr Inst. UCPH
2007-2012 Head of Nanobio Science / Biophysics at LIFE, UCPH
2000-2007 Head of Program Polymer Analysis and Structure, Polymer Dept., RISØ
1995-2007 Research Professor, SNF/RISØ. DK
1984-1995 Scientist/Senior Scientist, Dept. Solid State Physics, RISØ. DK
1982-1984 SNF-Senior Fellowship, DTU and RISØ, Denmark
1981 Project Scientist, Danish National Bank, Copenhagen
1981 SNF-Researcher, Phys. Lab III, DTU, Lyngby, Denmark
1980-1981 IBM-World Trade Fellow / Visiting Scientist IBM TJ Watson Res Center, NY
1977-1979 DTU-Fellowship, Phys. Lab. III, DTU, Lyngby, Denmark

Specialization

Main field: Polymer Physics, Biophysics, Materials Sciences
Main methods: Small-Angle X-Ray and Neutron Scattering, Light Scattering, Rheology
Current research interests: Molecular Self-Assembly; Lipid Membranes, Nano discs, Polymer structure and dynamics.

Publication Statistics

Publications (<http://www.nbi.dk/~kell/kell-publ.pdf>)

- Papers in refereed journals: 386 (incl. 6 Nature, 1 Science, 2 Sci.Rep., 29 PRL, 6 EPL, JACS, 4 Macromolecules)
- Book Chapters: 28
- Books (Ed): 3
- Popular articles: 28
- Invited talks, scientific meetings: > 100
- Invited Lectures at Summer Schools: > 15
- Contributed presentations in scientific meetings: more than 150 (some with proceedings)

Citations

Paper cited more than **19.600** according to ISI Web of Science, **H-index 72**, Average citations per article: 46.3.
Paper cited more than **27.000** according to Google Scholar, **H-index 87**.
43 publications with more than 100 citations:

Recent Funding

Danish Research Ministry (FNU/NUFI): DANSCATT (Chaired by NBI/DTU)	since 2008
Villum Experiment 2MDKK	2017
EU Interreg MAX4ESSFUN (PI/Chair from 2017):	2016
Danish Research Council: Photo-deformable Polymer Films (Hassager; Chair): 5.000.000 DKK	2015
Danish Research Council: Workshop molecular interactions drugs / drug-carrier systems, 287.000 DKK	2013
University of Copenhagen Funding: CoNEXT (chair Sine Larsen)	2016
University of Copenhagen Funding: bioSYNergy (chair Birger Lindberg-Møller)	2016
Danish Research Council (FTP): Plant Factory Hybrid Biopolymers (Bennow Chair): 6 MDKK	2013
Danish Research Council (FNU): Entangled Polymer Melts in Extensional Flow (Almdal Chair): 5 MDKK	2012
Carlsberg Foundation: Rheometer 0.4 MDKK	2010
UNIK Synthetic Biology. (T Bjørnholm (chair), B Lindberg Møller, U Gether). 120.MDKK	2009
Danish Research Council for Nature and Universe (FNU): LIFE-SAXS. 2.25MDKK	2008
Carlsberg Foundation: LIFE-SAXS 1MDKK	2008
Lundbeck Foundation: LIFE-SAXS 1MDKK	2008
Program for Strategic Growth Technologies McXtrace. DKK 8.000.000 (Chair Sine Larsen/KM)	2009
Danish Research Infrastructure. ESS pre-studies DKK 1MDKK	2007

Honors, Awards, Personal Fellowships

Walter Haig Prize Winner, ENSA	2019
Dansk Kemi (Journal): Article of the Year	2005
SNF Research Professor Award	1995
SNF Senior Fellowship	1982
SNF Fellowship	1981
IBM-World Trade Fellowship	1980

Management, include

Head of X-Ray and Neutron Science, NBI, University of Copenhagen	2012-20
Head of Nanobio Science, LIFE, University of Copenhagen	2010-12
Head of Biophysics Group, LIFE, University of Copenhagen	2007-12
Head of Program Polymer Analysis and Structure, Polymer Dept., Risø	2000-07
Chairman of the Graduate School at the Faculty of Sciences, University of Copenhagen,	2007-20
Head of Instrument Task Group, SoftComp EU-PF7 Center of Excellence,	2005-07
Project leader for Small-angle Scattering at Risø,	1985-2000

Founder/co-Founder of Research Programs

bioSYNergy Research Program:	2013
CoNEXT Research Program:	2013
MAX4ESSFUN Interreg Program	2015
UNIK Center for Synthetic Biology	2009
Danish Polymer Centre, Techn. University of Denmark,	2000
ESS-Scandinavia, Lund	2000

Research Schools

Chairman of the Graduate School at the Faculty of Sciences, University of Copenhagen, since	2012-20
Chairman of the Graduate School at the Faculty of Life Sciences, University of Copenhagen,	2007-12
Head of the Graduate School at the Faculty of Life Sciences, University of Copenhagen,	2010
Graduate School for Polymer Science. Board Member	2003-2010
Graduate School for Biophysics. Board Member	1996-2001

Research Councils and Foundations, Board Member / Chair

Ia Caixa Foundation Spain	2024-2025
National Science Center NCN Poland	since 2021
Research OCuncil NCNSwedish Foundation for Strategic Research: Advisor	since 2019
European Research Council ERC, Advanced Grants	2017-2021
Marie Skłodowska-Curie Individual Fellowships H2020-MSCA-IF - European & Global Fellowships,	since 2017
Norwegian Research Council: Advisor	since 2017
Australian Research Council ARC. Reviewer	since 2012
Danish Research Council: Natural Sciences (FNU), Member of Council, Vice-chair, Chair	2009-2014
Danish National Research Foundation (Danmarks Grundforskningsfond) Board of Directors	1999-2008
Danish National Committee for Research Infrastructure	2013-14
Danish Board of Technology, Board of Representatives,.	2011-12

Other Boards, Committees, Membership includes

Int. Ass. Committee for UiO Science PhD School, Chairman	2022
Int. Ass. Committee for AU Science PhD School, Chairman	2021
Int. Ass. Committee for AU Science and Techn. PhD School, Chairman	2015
DANSCATT, Instrument Centre for X-ray Synchrotron and Neutron Sciences 2003-20; Vice President	2012-20
The Danish Neutron Scattering Society 1998-2020; President	2003-20

ENSA European Neutron Scattering Association 2003-20; Elected Scientific Secretary for ENSA,	2004-2007
Danish National Committee for Crystallography, 2009-2018, President	2010-18
FASM Association of Max-Lab Users,	2010-17
NMI3 European Large Scale Network for Neutrons and Myons,	2004-10
ESS-S Board, European Spallation Source, Scandinavian initiative	2000-06
Chairman of Scientific Group of ESS-S,	2002-06
Vice-chair/Chair of ESS-S Consortium,	2004-06
Society of Risø Engineers. Board	1994-99
Danish Physical Society, Solid State Section. Board	1984-98

Membership of Professional Societies,

Member of Ingeniørforening i Danmark, incl. Polymer Section
 Member of Danish Physical Society
 Member of American Physical Society
 Member of Danish Neutron Scattering Society
 Member of American Neutron Scattering Society
 Member of Swiss Neutron Scattering Society

Editorial Board for Professional Journals

Journal of Macromolecular Science - Physics (Marcel Dekker Inc.)
Polymers <http://www.mdpi.com/journal/polymers/> (MDPI Publishing)
Physics <http://www.mdpi.com/journal/physics/> (MDPI Publishing)

Scientific Assessment Committees

SSF ITM17. Midterm assessment of The Swedish Program for Instrument, Technique, and Method, SSF	2019-20
SwedNESS, Midterm assessment of The Swedish Graduate School on Neutron Scattering, Chair SSF	2019
H2020-IBA-EURATOM-DONES,	2019
Helmholtz Association of German Research Centers, Forschungszentrum Jülich	2017-18
Instrument reviewing committee at ESRF, Grenoble FR,	2011
Instrument reviewing committee at ESRF, Grenoble FR,	2008

Scientific Advisory Committee for Research Programs and Facilities

Neutron research at NIST, USA,	since 2006
Neutron research at ANSTO, Australia,	since 2015
ESS Scientific Advisory Committee (SAC),	2017-19
Soft-matter research at ESRF, Grenoble FR,	2008-10
Neutron-scattering research at FRM2 München, Germany,	2006-10
Centre of Excellence under the Research Council for Natural Sciences of Finland,	2002-08
Neutron-scattering research at Paul-Scherrer Institute, Switzerland,	2004-08
European program for utilizing neutron-scattering at Research Centre Jülich,	2001-04
ESS Instrumental Task Group (EU/ITG) on Small Angle Scattering,	2000-03
ESS Scientific Advisory Committee (SAC) on Soft Matter,	2000-03
ESS Working group on Large Scale Structures	1995-96
ESS-Autrans group on Polymers and Soft Matter	1996

Review activities, include

Research Foundations:

- NSF (USA), NRF (Sweden), NFR (Norway) DFG (Germany), Finnish Academy (Finland), ACS (USA), ARC (Australia)

Journals:

- Nature, Nature Materials, Science, Phys.Rev.Lett., Phys.Rev.E, Eur.Phys.Lett., Macromolecules, Langmuir, Adv.Materials, J.Phys.Chem., J.Appl.Cryst. ...

Organization of Meetings/Schools, include:

- FOOD Sciences at Large Scale Facilities, Lund, December 2017 (Chair)
- ESOF: New large-scale research infrastructures: revolutionizing understanding of matter'. Copenhagen June 21-25, 2014 (Chair)
- Danish startup of International Year of Crystallography IYCr, Copenhagen 22-23 January 2014 (co-Chair).
- 10th Nordic Workshop on Scattering from Soft Matter, Copenhagen January 2013 (co-Chair)
- European Conference on Neutron Scattering, Lund SE, June 2007 (co Chair)
- Joint Scandinavian Neutron Scattering Meeting, Gothenburg SE, Oct. 2005. (co-Chair)
- International Symposium On Polymer Conetworks, Gels And Membranes - Science, Technology And Applications, Prague Sept. 2005 (Adv)
- 19th Conf. European Colloid and Interface, Geilo, Norway, Sept. 2005 (Adv)
- 2nd Scandinavian Symposium on Small-angle Scattering, Lyngby Feb. 2005 (Co Chair)
- B Lebech Symposium and DANSSK-Annual meeting, Roskilde Sept. 2004 (Chair)
- Scandinavian Symposium on Small-angle Scattering, Lund January 2003 (co Chair)
- Summer School: Hairy Interfaces and Stringy Molecules. Odense, Aug 2003. (Adv)
- Zuoz Summer School on 'Structure and Dynamics of Soft Condensed Matter', Switzerland, August 2003. (Adv)
- Prague Meeting on Macromolecules: Scat. Meth. Invest. Polymers July 2001 (Adv)

- EPS-CMD18 Conf. on Transient Phen. in Soft Matter, Montreux 2000 (Chair)
- EPF Workshop on Polymer Surfactant, KolloKollo 2000 (Advisory)
- 2nd European Conference on Neutron Scattering, Budapest 1999 (Advisory)
- Unifying Principles for Engineering Soft Materials, Risø, Denmark June, 1998 (Co-Organizer)
- School on Scattering Methods in Polymers, Risø Denmark 1989 (Chair)
- Winter School on Modern Experimental Physics, Risø Denmark 1991 (Chair)
- Annual Meetings of Danish Physical Society, 1991-1999 (Co-chair)

Educational Activities

Lecturing / Course Responsible include

- Course in Experimental X-Ray Physics (7.5ECTS) (Responsible, KU-Physics/NanoScience course)
- Course in Experimental Neutron Scattering (7.5ECTS) (KU-Physics course)
- Summer Course in X-Ray and Neutron Scattering (7.5ECTS) (joint KU,DTU,LU course)
- Course in Synthetic Biology (7.5ECTS) (KU-SCIENCE course)
- Graduate Course in Polymer Physics (7.5ECTS) for several years (Responsible, DTU/UCPH joint PhD course)
- Graduate Course on Experimental Techniques in Soft Matter Sciences for several years (RUC joint with Danish Universities)
- Graduate Course on Experimental Techniques in Molecular Biology for several years (SDU joint with Danish Universities)
- Graduate Course in Scattering Techniques applied for Polymer Science (DTU)
- Graduate Course in Spectroscopic Techniques Applied to Molecular Biophysics (UCPH)

Supervising Ph.D. students and Post Docs, include

- Anine Borger (Post Doc 2019-20). Persistent homology as a new tool to understand structural phase transitions. Now private co.
- Qian Huang (Post Doc 2019). Polymer rheology. Now professor at Sichuan University
- Anine Borger (PhD 2019). Polymer Relaxation Following Uniaxial Extension - X-ray and Neutron. Now private company
- Martin C Pedersen (Post Doc 2018-20). Persistent homology as a new tool to understand structural phase transitions. Now at NBI
- Anton Kovyakh (PhD 2018). X-ray characterization of nanoparticles. AK Specialist at Danish Technological Institute
- Johannes Beil (PhD). X-ray tomography. Own company.
- Sergey Chernyy (Post Doc 2015), Star polymers, SC Assistant Prof. DTU
- Jacob Kirkensgaard (Post Doc 2010-18). Polymer self-assembly. Associate Prof. KU FOOD/NBI.
- Dainius Jakubauskas (PhD 2018). bioSYNergy. Cubic membranes in biology. Postdoc Malmø Univ.
- Andriy Dorokhin (PhD DTU 2018). Entangled Polymer Melts in Extensional Flow.
- Aghiad Ghazal (Post Doc 2017). Microfluidics for SAXS investigation of pharmaceutical. Postdoc. DTU, Researcher Novo
- Aghiad Ghazal (PhD NBI 2017). Microfluidics for SAXS investigation of pharmaceutical. Postdoc. DTU, Researcher Novo
- Achebe Niels Olesen Nzulumike (PhD 2023 DTU). Biophysics of lipid membrane. Since 2023 at Contura Int. A/S
- Hanne Sørensen (PhD LIFE 2014). New cheese products. HS now at KMC, Brande.
- Martin Cramer Pedersen (PhD NBI 2014), Small-angle scattering and MC-simulations. MCP now Ass.Prof. at NBI.
- Stine Rønholdt (PhD KU 2013), Structure of Fats. SR now Ass. Prof. KU-SUND.
- Søren Kynde (Post Doc 2014), Small-angle scattering and MC-simulations. SK now researcher at Inst. Fund. Metrology
- Søren Midtgaard Roi (KU PhD 2014), Synthetic Biology and synthesis. SRM now postdoc at NBI.
- Søren Kynde (PhD 2013), Small-angle scattering and MC-simulations. SK now researcher at Inst. Fund. Metrology
- Jacob Kirkensgaard (PhD 2010, Post Doc), Self-assembly star-shaped molecules (KU-LIFE) . Associate Prof. KU FOOD.
- Brian Pauw, (PhD DTU 2009) Polymer fibres. Researcher at Materialeforschung, Berlin.
- Torben Ishøj (PhD KU 2004), Structural Characterization of Multi-Lamellar Lipid Bilayers. Employed at Edlund AS
- Rüya Eskimergen (PhD DTU 2003), Structural Study of Diblock Copolymer Phase Behavior. Scientist at Novo Nordisk
- Rita Carrota (PhD KU-LIFE 2003), *Intermediate Oligomers in blgA heat aggregation*. Scientist at NRIBF Palermo, Italy
- Jens Høg Truelsen (PhD DTU 2002): *Synth. amphiphilic block copolymers by ATRP*. Researcher Coloplast
- Antonio Falcao (PhD Lisbon/Risø 1995), *Scaling and Structural Parameters in Cross-Linked PDMS*. Scientist Nat.Lab., Portugal
- Dorte Posselt (PhD DTU 1991), *Thermal and Structural studies of Silica Aerogels*. Associate Professor at RUC
- Jens Bæk Simonsen (Post Doc 2008-2011, 2013-15). Structural studies of lipid nanodiscs and their complexes. Scientist DTU
- Sandor Balog (post doc 2008-2011) SANS post doc at PSI. Professor in Univ. Fribourg CH
- Lise Arleth (Post Doc), Neutron scattering on soft matter materials. Professor at KU-NBI.
- Henrich Frielinghaus (Post Doc). *Polymer and block copolymer blends*. Scientist at FRM2, München, DE
- Jesper Lemmich (Post Doc DTU/Risø) *Lipid Bilayers studied by Small-Angle Neutron Scattering*. Man.Dir. at Topsøe a/s
- Christine Papadakis, (Post doc CP) Block Copolymers. Professor at TU München DE.

Supervising MSc., BSc students, include

- Rasmus Buus Nielsen (NBI MSc 2021) Deterministic Fourier Microscopy
- Martin Werge Willumsen (NBI MSc 2018) Nano-porous PMMA based materials
- Rasmus Buus Nielsen (NBI BSc 2018) Multilayer Reflection Tomography from Monte Carlo Simulations
- Anders Bagge (NBI MSc 2017) *Structural studies of Polymers*. Now at Topsil AS
- Daniel T Martin (NBI MSc 2016) *Degradation of metals and coatings*
- Ahsen Hussain (DTU MSc 1995) *Small-Angle X-ray Instrumentation*. Now at Danish Space Research Institute, DK
- Nikolaj Gadegaard (KU MSc 1998), *Block copolymers at Interfaces*. Now at Glasgow University, UK