

**CURRICULUM VITAE**  
**NIELS GRØNBÆK**  
**CAND. SCIENT, PHD**

PERSONAL:

- Born **July 51**, Hillerød, Denmark.
- Married to Karin Sandberg, **December 77**.
- Children: Marie Kristine Sol Sandberg, **July 83**, Oscar Antonio Grøn­bæk, **June 89**

EDUCATION:

- **June 70**: Graduation, secondary school, Frederiksborg Statsskole, Hillerød, Denmark.
- **January 77**: Candidate of Science, (major: Mathematics, minor: Physics), University of Copenhagen, Denmark.
- **September 80**: PhD, University of California, Los Angeles, USA. Thesis advisor: Philip C. Curtis, thesis title: Derivations and semigroups. Commutative radical Banach algebras.
- **June 81**: Pædagogikum (teachers' training program, secondary level), Køge Amtsgymnasium, Køge, Denmark.

POSITIONS:

- **June 77 - November 79**: Post graduate fellowship, Institute of Mathematics, University of Copenhagen, Denmark.
- **September 79 - April 80**: Teaching Fellow, Department of Mathematics, University of California, Los Angeles, USA.
- **August 81 - January 86**: Adjunct, Ballerup Gymnasium, Ballerup, Denmark.
- **February 86 - January 90**: Assistant professor, Institute of Mathematics, University of Copenhagen, Denmark.
- **February 90 - January 12**: Associate professor, Institute of Mathematical Sciences, University of Copenhagen, Denmark.
- **February 12 - :** Professor mso, Institute of Mathematical Sciences, University of Copenhagen, Denmark

INTERNATIONAL EXPERIENCE:

- **September 77 - April 80**: PhD-student, Department of Mathematics, University of California, Los Angeles, USA.
- **March 87 - June 87**: Invited participant, Semester on Automatic continuity and Banach algebras, Leeds University, England.
- **January 89 - March 89**: Visiting Fellow, Australian National University, Canberra, Australia.
- **January 92 - February 92**: Erasmus lecturer, Leeds University, England.
- **August 95 - October 95**: Visiting fellow, Australian National University and University of Newcastle, both Australia.

#### CONFERENCE ORGANIZATION:

- **August 01:** Balticon 2001, 15th International Conference in Banach Algebras, (with K.B. Laursen, N.J. Laustsen, and T.V. Pedersen), Dalum, Denmark.
- **May 03:** *'If reform of university science education is the answer what were the questions?'*, DCN International Conference on Science Education, (with P. Geckler, O. Hammerich, K.B. Laursen, and C. Rump), Korsør, Denmark.
- **July 07** *Mathematics Teaching Day, How do we use qualities of the research process in our teaching?* Workshop at Banach Algebras 2007, Conference at Université Laval, Québec, Canada (with K.B. Laursen and Thomas V. Pedersen).
- **Mar 08** *The 2008 Curtis Center Mathematics and Teaching Conference* Pre-conference to celebrate Philip C. Curtis on his 80th birthday, UCLA California, (with H.G. Dales (Leeds), T. Gamelin (UCLA), K.B. Laursen (KU))
- **Aug 08** *Banach Algebras and Local Spectral theory* Conference in honor of K.B. Laursen, KU
- **Oct 10** *Computere og matematikundervisning* Concluding conference on development project with the same title, supported by The Ministry of Education, Univ. Copenhagen, (with H. Bang and C. Larsen, Christianshavns Gymnasium)

#### SELECTED AND RECENT CONFERENCE CONTRIBUTIONS:

- **July 97:** Workshop Chairman: *Amenability*, 13th International Conference in Banach Algebras, Blaubeuren, Germany.
- **May 03:** Plenary speaker: *Competencies, version ground floor*, DCN International Conference on Science Education, Korsør, Denmark.
- **May 06:** Plenary speaker: *Cohomology of Banach algebras of operators on a Banach space*, The 5th Conference on Function Spaces, Southern Illinois University, Edwardsville, USA.
- **May 07:** Invited speaker: *The  $L_1(H)$ -module  $L_1(G)_H$*  CMS-MITACS Joint Conference 2007, Canadian Mathematical Society, Winnipeg, Canada.
- **May 09:** Invited speaker: Canadian Abstract Harmonic Analysis Symposium 2009, Alberta, Canada
- **June 09:** Invited speaker: 25th Nordic and 1st British-Nordic congress of Mathematicians, Oslo, Norway
- **July 09:** Invited speaker: Banach Algebras 2009, Stefan Banach International Mathematical Center, Bedlewo, Poland

#### OTHER RECENT TALKS:

- **March 09** *Presentation to project work in mathematics*, Frederikssund Gymnasium.
- **March 09:** Invited speaker: (1) *Morita equivalence of Banach algebras*, (2) *Teaching real analysis*. Leeds University, U.K.
- **Nov. 09:** Invited introductory presentation, Teaching Day (Department of Geography and Geology, Department of Science Education, University of Copenhagen).
- **May 11:** Invited introductory presentation, Course on Higher Education Teaching and Learning (KNUD), delivered as part of the course since **2004** on topics concerning evaluation and course design (Department of Science Education, University of Copenhagen).

#### ACADEMIC CHORES:

- **1996 - 2002:** Study board, chairman of pure mathematics, Institute for Mathematical Sciences, University of Copenhagen, Denmark.
- **June 1999 - Dec. 2001** Anchor person, Danish Centre for Educational Development in University Science (DCN).
- **1992 - present:** Mentor for Mathematics, Teachers' training program, Faculty of Science, University of Copenhagen, Denmark.
- **2001 - 2006:** Member of board for *Centre for Science Education*, Faculty of Science, University of Copenhagen, Denmark.
- **January 2003 - present:** Member of DMUK (Danmarks Matematikundervisningskommission), appointed by Dansk Matematisk Forening. From **May 2009** chairman of executive committee.
- **August 2003 - present:** Member of steering committee, *International conferences on Banach algebras*.
- **January 2005 - August 2006:** Chairman of *Committee on education of science teachers, secondary level*, Faculty of Science, University of Copenhagen, Denmark.
- **June 2007 - present:** Member of *Fagligt Forum*, advisory board of mathematics education, upper secondary level, Danish Ministry of Education.
- **November 2007 - present:** Member of editorial board, *Banach Journal of Mathematical Analysis*.
- **2010 - 2014** Member of National Committee for IMU, appointed by DMUK

#### COLLEGIATE CHORES:

- **1992 - present:** Union best man (Danmarks Magisterforening), Institute for Mathematical Sciences, University of Copenhagen, Denmark.

#### MISCELLANEOUS:

- **October 80:** Civil Service, Hillerød, Denmark.
- **January 98 - Aug 00:** Life Energy Process, Basic Training Program (body therapy), Dr. Stephano Sabetti, Institute for Life Energy, Copenhagen/Los Angeles.
- **January 00 - December 00:** Process Inquiry, Practitioner Level (communication and interview training), Dr. Stephano Sabetti, Institute for Life Energy, Copenhagen/Los Angeles.

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