

Name: Stein Gjessing

Born: November 30., 1950

Present position: Professor Emeritus (of Computer Science), Department of Informatics, UiO.

Education: Master degree in Computer Science, University of Oslo, 1976.

Dr. Philos., University of Oslo, 1985.

Work history:

1975 – 1978: Research assistant in Informatics, UiO

1978 – 1992: Associate Professor of Informatics, UiO

1992 – 2020: Full professor of Informatics, UiO

1987 – 1991 (4 years): Head of the Department of Informatics, UiO

1981 – 1984: 20% adjunct position at Norwegian Computing Centre (NCC)

1987: 6 months leave from UiO, working for the Norwegian microcomputer company Mycron.

1998 - 2001: 20 % adjunct position at Telenor Research.

2001 – 2005: Researcher at Simula Research Laboratory. 80 % leave of absence from UiO.

2003 - 2004 (October to April) sabbatical at San Jose State University, California, USA, also working with Cisco Systems in San Jose.

2005 – 2017: 20% research position at Simula

2011 – 2019: group/section leader, Department of Informatics, Networking and Distributed systems

2020 (January – December): Section leader, Department of Informatics, Digital Infrastructure and Security (DIS)

Companies, patents and prizes:

1991: First prize from Digital Equipment Corporation (DEC) of 15 000 dollars and a trip to USA.

2008: Cofounder of the company “Resiliens” with the business case of providing resilient IP connectivity (This company does not exist any more).

Patents:

- System for rate control of aggregated rate comm., WO/2008/014712, PCT/CN2007/070350.

- Resilient routing systems and methods, EP1821472 (A2).

Project management and chairs:

1991 – 1998: UiO leader in two EU-funded ESPRIT/OMI projects: Macrame and Arches.

1992 – 2000: Initiator of the EU-funded ESPRIT/OMI project, Ascissa, together with Olivetti.

1995 – 2001: Chair of the IEEE working group P1596.2 "Kiloprocessor extensions to SCI".

1996 – 2001: Chair of the board of the Research Council of Norway research program “Distributed IT systems”, that financed 9 Norwegian research projects with a total of 5 M €.

1997 – 2004: Project leader "Enhanced Next-generation Networked Computer Environment" within the Research Council of Norway program "Basic Telecommunication Research". Total project cost 1M€.

Conference chair:

1988: General chair of Second European Conference on Object Oriented Programming, ECCOP-88, with Kristen Nygaard as program chair.

2007: IEEE-LANMAN: Technical program co-chair “15th IEEE Workshop Local and Metropolitan Area Networks” (hosted by AT&T in New Jersey, USA, 2007)

2008: IEEE-LANMAN: General co-chair “16th IEEE Workshop on Local and Metropolitan Area Networks” in Cluj, Romania, with Virgil Dobrota.

2013: Program co-chair International Packet Video Workshop 2013.

2017: Workshop co-chair: Workshop on Future of Internet Transport (FIT) @ IFIP Networking

Teaching

1975 – 2020: Courses at all levels including OS, databases, architecture, programming and networking. Also initiated and taught post education and courses for teachers and professionals from industry.

2000 – 2005 Developed and taught the graduate course Protocols and Routing in the Internet

2005 – present: IN1010: Object oriented programming (second semester bachelor course with 500 students). I have supervised 14 PhD and 42 Master theses.

Present research activities and fields of interest:

Routing (including dynamic routing), transport, resilience and fast recovery in IP networks, Cognitive radio, IoT and Smart Grid communications.

Membership of academic and professional committees:

1996 – 1999 (three years from June): Norwegian representative in "Council of Scientists" in the European International Association for the promotion of cooperation with scientists from the New Independent States of the former Soviet Union" (INTAS).

2006 – present: Leader of both the Bachelor of Informatics and the Master of Informatics study programs at Dep. of Informatics, UiO

2011 – present: Leader of the Norwegian national committee for promotion from associate to full professor in Informatics.

2013 – 2014: Chair of the board of the SFI: Information Access Disruptions

TPC member LANMAN 2004, 2005, 2007, 2008, 2010, 2016, 2017, ICONS 2006, MediaWiN 2008, 2009, PIMRC 2008, AINA 2009, WunderNet 2009, 2010, 2011, WoWMoM 2013, International Packet Video Workshop 2013, Workshop on Future of Internet Transport 2017

Reviewer for numerous Journals and Conferences including the conferences were I was a TPC member, IEEE TPDS, IEEE TNSM, IEEE ToC, IEEE Network, IEEE/ACM ToN, IEEE Comm. Mag., IEEE JSAC-OCN, IEEE Journal of Lightwave technology, OSA/IEEE JOCN, ICC, Infocom, The Computer Journal, Elsevier OSN, Springer Journal of Supercomputing, Europar, NetCri.

Publications:

See Cristin.no or scholar.google.com for a complete list

September, 2021:

H-index: 38 (since 2016: 29)

i10-indeks: 73 (since 2016: 43)