

Curriculum vitae - Professor Jørgen Bang-Jensen

Born January 19, 1960 at Odense Denmark, Danish citizen.

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Education

Master degree from Odense University 1985 and Ph.D from Odense University, May 1988. Danish doctoral degree in Natural Sciences from University of Southern Denmark, January 2002.

Positions held

Ph.D stipend from Odense University 1985 - 1988. Senior research Fellow at Department of Mathematics & Computer Science, Odense University 1988 - 1990. Assistant professor at Department of Computer Science, University of Copenhagen 1990 -1991. Associate professor in Computer Science, Department of Mathematics & Computer Science, University of Southern Denmark (SDU), 1991 – 2004. Professor with special duties in Computer Science, IMADA, SDU 2004 – 2009. Professor in discrete optimization with applications at IMADA, SDU as of April 2009 – present. Invited professor and visiting professor for periods of up to 6 months at Universities and research institutions in Canada: (Vancouver and Victoria total time 20 months), France (Bordeaux, Grenoble, Paris and Sophia Antipolis. Total time 12 months) and UK (London 2 months).

Research interest

Graph theory, combinatorial optimization, algorithms, heuristics for combinatorial optimization problems, practical applications of combinatorial optimization (including routing problems, industrial packing, real-time scheduling and cutting problems, home care scheduling and nurse rostering).

Research management

Leader of three SNF (now FNU) funded research projects in the period 1992-1996, resulting in a total of 21 publications. Leader of the departments research group involved in collaboration with industrial partners. This has resulted in external support totaling more than 2 mio d.kr. Together with 4 colleges at IMADA I obtained a funding of 12.000.000 d.kr from the Danish research council for funding of PhD students in the period 2010-2013. Participant in the research project "Research activity in discrete mathematics". The project has been supported by the Danish National Science Research Council since 1989. For the period 2007–2012 we received 7.4. mio d.kr in support. I have received funding for two one year post doc positions from The Villum Kann Rasmussen foundation (block stipends) to be used in 2010-2011. Another 1-year post doc under my guidance will start in August 2011.

Research achievements

Author of more than 100 research papers. I have written joint papers with more than 40 different researchers. Co-author of the book "Digraphs: Theory, Algorithms and Applications", Springer Verlag, London (2000) xxii+754pp. The first book ever to treat digraphs in a comprehensive way. The second, completely revised, edition 812 pp. was published in December 2008. Plenary speaker or invited speaker at conferences in Bordeaux, Braunschweig, Budapest, Copenhagen, Dagstuhl, Elgersburg, Ilmenau, Louisville, Montreal, New York, Oberwolfach, Odense, Paris, Prague, Rostock, Strba, Vancouver and Victoria.

Post docs, Ph.D supervision and examination

Supervisor of 8 postdocs currently supervising 3 in 2010-2012. Supervised 5 Ph.D students and currently supervising 5 Ph. D students. External examiner on PhD or licentiate theses at Aarhus University, Lund University, Université Paris XI, Orsay, Polytechnical University of Grenoble, INRIA Sophia Antipolis, France, Tel-Aviv University and University of Copenhagen.

Community service

Organizer or co-organizer of 13 international graph theory meetings in Denmark from 1992 to 2011. Referee for all major research journals publishing papers in graph theory and several conferences in algorithmics. Reviewer of grant several grant applications for the research councils in France and Hong Kong. Managing editor for the graph theory section of Discrete Mathematics and Theoretical Computer Science.