



MARCO CHIARANDINI

CURRICULUM VITÆ as of September 2020

PERSONAL INFORMATION

Birth	1975, Udine, Italy. Status: single.
Affiliation	Department of Mathematics and Computer Science (IMADA, Danish acronym) University of Southern Denmark, Odense Email: marco@imada.sdu.dk Web: https://www.imada.sdu.dk/~marco

ACADEMIC POSITIONS

- 2011 - pres. Associate Professor in Computer Science at IMADA
- 2008 - 2011 Assistant Professor at IMADA
- 2010 - 2010 Visiting Researcher at the Institute of Interdisciplinary Research and Development in Artificial Intelligence, Université Libre de Bruxelles.
- 2005 - 2008 Post-Doc researcher at IMADA
- 2001 - 2005 Ph.D. in Computer Science at the Darmstadt University of Technology, Germany.
- 1995 - 2000 Master in Management Engineering and Electronics at the University of Udine, Italy.

SCIENTIFIC FOCUS AREAS

Optimization in general with connections to Data Science and Artificial Intelligence • Applied Computing: Operations Research: Scheduling, Timetabling and Routing in the Industrial and Public Sector • Artificial Intelligence: Search and Experimentation Methodologies • Mathematics of Computing: Discrete Mathematics: Combinatorics: Combinatorial optimization • Graph Theory: Graph Coloring

ACADEMIC HIGHLIGHTS

- h-index: 19 (14 since 2015). Source: Google scholar.
- Author of 10 journal articles, 21 conference papers, 6 book chapters
- Co-edited a book on Experimental Methods for the Analysis of Optimization Algorithms (2010)
- Member of international teams that ranked third (2007) and first (2003) in the International Timetabling Competition organized by PATAT and third in the ROADEF'2005 challenge.
- Member of the Metaheuristics Network (2001-2004), a Research Training Network funded by the Improving Human Potential Programme of the European Community.

MANAGEMENT

Principal Investigator in a project for the development of e-health app for people with dementia, in collaboration with Nyborg Kommune, total budget 2,4 mio krone, supported with 1.4 mio krone by TrygFonden (2019-2021). • Coordinator of a project on Intelligent Traffic Systems in collaboration with Odense Kommune and supported by SDU with 1.1 mio Danish Krone (2017-2019). • Supervisor of two Industrial PhD projects financed by InnovationFonden: on flight route optimization in collaboration with Aviation Cloud AS (2014-2017) and on long term planning in the energy sector in collaboration with DONG Energy (2008-2011). • Developer and maintainer of an automatic system for the timetabling of courses and exams at SDU.

TEACHING

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| Courses taught since 2006 | Introduction to Programming in C++ • Linear Algebra with Applications • Linear and Integer Programming • Mathematical Optimization at Work • Heuristics and Constraint Programming for Discrete Optimization • MATLAB programming • Computer architecture • Scheduling, Timetabling and Routing • Introduction to Machine Learning • Introduction to Artificial Intelligence • Artificial Intelligence for Computer Game Programming. |
| Advising | 3 PhD students, 30 Master students, various Bachelor projects and individual study activities. |