Curriculum vitae

PERSONAL INFORMATION

Family name, First name: ***Nichele, Stefano***

Date of birth: *02.03.1982*

Sex: *Male* - Nationality: *Italian*

URL for personal web site: *www.nichele.eu*

EDUCATION

2015	PhD in Computer Science: "Evolvability, Complexity and Scalability of Cellular Evolutionary and Developmental Systems" Disputation date**:** *18.02.2015.* Advisor: Prof. Gunnar Tufte. Dept. of Computer and Information Science, NTNU, Norway
2009	Master in Computer Science Department of Computer Science, University of Insubria, Italy
2007	Bachelor in Computer Science Department of Computer Science, University of Insubria, Italy

CURRENT AND PREVIOUS POSITIONS

2017-date	Associate Professor, Oslo Metropolitan University (formerly HiOA), Norway
2016	Researcher at Robotics, Evolution and Art Lab (REAL), ITU Copenhagen, Denmark
2015-2016	Researcher at Dept. of Computer and Information Science, NTNU, Norway
2010-2015	PhD Candidate, Dept. of Computer and Information Science, NTNU, Norway

FELLOWSHIPS AND AWARDS

2019	NFR FRIPRO YOUNG RESERCH TALENT project DeepCA (1.5 M€), Project Manager, OsloMet, Norway
2018	NFR IKTPLUSS project SOCRATES (2.1 M€), Principal Investigator, (collaboration with NTNU), OsloMet, Norway
2018	NFR FORSKKOMM project "Making science communication material" (200 K€), Collaborator, OsloMet, Norway
2017	Strategic Lighthouse Initiative (100 K€) on "complex, adaptive, self-organizing systems", OsloMet, Norway

MOBILITY

2016	Visiting Researcher at IT University Copenhagen, Denmark (6 months)
2008-2009	Erasmus exchange at Dept. of Computer Science, NTNU, Norway (1 year)

SUPERVISION OF GRADUATE STUDENTS AND RESEARCH FELLOWS

2018-date	Advisor of Post-Doc Gustavo Mello, "Structural Models of Biological Neural Networks", OsloMet, Norway
2018-date	Supervisor of PhD Candidate Sidney Pontes Filho, "Evolution of discrete dynamic systems for modelling computational systems based on self-organization through local interactions", OsloMet, Norway

2018-date Supervisor of PhD Candidate Kristine Heiney, “Self-Organizing Models of Artificial learning in neural substrates, toward strategies to restore perturbed dynamics”, OsloMet, Norway

2018-date Co-supervisor of PhD Candidate Vegard Fiskum, “Modelling neural network dynamics in amyotrophic lateral sclerosis”, NTNU, Norway

2016-date Co-supervisor of PhD Candidate Peter Aaser, “A hybrid computer-neuro system, using models of self-organizing networks”, NTNU, Norway

2015-date Co-supervisor of PhD Candidate Johannes Jensen, “Reservoir Computing with Evolvable Nanomaterials”, NTNU, Norway

2010-date Supervisor of 20+ Master Students, OsloMet and NTNU

- Haakon Haraldsen Roen, 2019, “Art implications of swarm robotics performances”
- Erik Hansen, 2018, “Self-organising swarm robotic networks”
- Benjamin Bocquillon, 2018, “Swarm robotic art”
- Santosh Nepali, 2017, "GPU-based cloud solutions for deep learning".
- Ramesh Upreti, 2017, "Evaluation of IoT cloud platforms".
- Tony Chau, 2016-17, "EMG Gesture control with deep neural networks".
- Andreas Molund, 2016-17, "Deep reservoir computing with Cellular Automata”
- Magnus Gundersen, 2016-17, "Non-uniform Cellular Automata Reservoir"
- Mathias Ose, 2016-17, "CPPN Cellular Automata"
- Peter Aaser, 2016, "Platform for a hybrid computer-neuro system "
- Emil Bye, 2016, “Reservoir Computing with Cellular Automata”.
- Sindre Fjermestad, 2016, “Neuro-evolution model of biological neural networks”.
- Kristian Normann, 2016, ”Computation with Light in Amorphous Silicon Panels”.
- Sigve Sebastian Farstad, 2015, ”Evolution of Cellular Automata in Materio”.
- Tom Glover, 2015, ”Self-Modifying Instruction Based Development on Cellular Machines”.
- Caroline Sæhle, 2015, ”Evolvability of Instruction-based Random Boolean Networks”.
- Andreas Giskeødegård, 2012/13, ”Incremental Genome Growth for the Evolution of Genotype Representations of Artificial Cellular Organisms”.
- Håkon Wold, 2012/13, ”Can Genome Information be Used to Guide Evolution”.
- Gonzalo Alsina, 2013, ”Analysis of Cellular Machines, Artificial Development and Evolution”.
- John Anthony, 2012, ”Analysis of Cellular Machines, Artificial Development and Evolution”.

TEACHING ACTIVITIES

2017-date Lecturer – INF4015NSA “Research Methods and Data Analysis”, OsloMet, Norway

2017-date Lecturer, course coordinator– ADSE1310 “Internet of Things”, OsloMet, Norway

2015-2017 Lecturer and course coordinator– TDT22 “Complex and Biologically Inspired Systems”, NTNU, Norway

2015 Lecturer – TDT1 “Architecture of Computing Systems”, NTNU, Norway

2014-2010 Teaching assistant – Computer Science courses: TDT4295 “Computer Design Project”, TDT4258 “Energy Efficient Computing Systems”, “Microcontroller System Design”, NTNU, Norway

ORGANISATION OF SCIENTIFIC MEETINGS

2019 Co-organizer, IEEE ALIFE 2019 conference

2019 Co-Organizer, “Workshop on Novel Substrates and Models for the Emergence of Developmental, Learning and Cognitive Capabilities” at IEEE ICDL-EPIROB 2019 conference

2018 Co-organizer, 2nd Norwegian Workshop on “Autonomous and Adaptive Systems”

2017 Organizer, 1st Norwegian Workshop on “Autonomous and Adaptive Systems”

2016 Co-organizer of Special Session on “Evolutionary Physical Systems and Matter”,

	World Congress on Computational Intelligence, WCCI 2016, Vancouver, Canada
2016	Organizer of the first "NTNU Cyborg" workshop, NTNU, Norway

INSTITUTIONAL RESPONSIBILITIES

2018-date	Director, Living Technology Lab, OsloMet, Norway
2018-date	Founder & Deputy-Head of Artificial Intelligence Laboratory, OsloMet, Noway
2018-date	Deputy-Head of Applied Artificial Intelligence research group, OsloMet, Noway
2017-2018	Founder & Head of Applied Artificial Intelligence research group, OsloMet, Noway
2017-date	Examiner for Exams and Master Thesis, OsloMet, Norway
2010-date	Examiner for Exams and Master Thesis, NTNU, Norway
2010-date	Examiner for Master Thesis, University of Oslo, Norway

COMMISSIONS OF TRUST

2019	Program Committee: IEEE SSCI 2019, Alife 2019, IEEE ICDL-EPIROB 2019
2018	Program Committee: Alife 2018, Smartworld 2018, IEEE SSCI 2018
2017	Program Committee: ECAL 2017
2016	Program Committee: ALIFE 2016, IEEE SSCI 2016, IEEE WCCI 2016
2015-16	Reviewer: Artificial Life Journal
2013	Review Committee: ADAPT 2013 workshop, HIPEAC 2013