
PERSONAL INFORMATION AND CV

Name: Henrik Mattias Wahde
Title: Ph.D., Associate Professor
Place of work: Department of Applied Mechanics, Chalmers University of Technology, Göteborg, Sweden, 412 96 Göteborg, Sweden
Telephone: +46-31-772 3727
E-mail: mattias.wahde@chalmers.se
Date of birth: Dec. 22, 1969
Marital status: Divorced
Nationality: Swedish
Home page: www.me.chalmers.se/~mwahde

SHORT PERSONAL DESCRIPTION

Since February 2003, I am associate professor at the Department of Applied Mechanics at Chalmers University of Technology. My research interests include the development and application of biologically inspired computation methods, particularly in the fields of autonomous robotics. My main research efforts concern the generation of intelligent behaviors and intelligent decision-making in autonomous robots, and I have written around 40 papers (journal papers, invited book chapters, and conference papers). I teach courses in evolutionary computation, autonomous agents, and adaptive algorithms. Also, I am co-director of the international master programme Complex Adaptive Systems, at Chalmers University of Technology. In my (rare) leisure time, I enjoy meeting family and friends, travelling (particularly in Japan), reading books, and listening to music (classical and modern). I also enjoy participating in sports such as karate, running, and weight training.

EVENTS AND ACHIEVEMENTS IN CHRONOLOGICAL ORDER

1969	Born in Mölndal, Sweden.
1988	Began studies at the School of Engineering Physics at Chalmers University of Technology, Göteborg, Sweden
1988, 1989, 1990	Worked as a summer student at Onsala Space Observatory, under the supervision of Dr. L. Bååth.
1991	Graduated from the School of Engineering Physics, with highest grades in all subjects.
1991	Began doctoral studies at the Institute of Theoretical Physics at Chalmers University of Technology.
1992	Awarded the John Ericsson medal for "Outstanding scholarship for the degree of Master of science in Engineering".
1992	Joined the Astrophysics group at the Institute for Theoretical Physics.
1994	Obtained the degree of Licentiate of Engineering. The title of the thesis was "Dynamical friction in disc galaxies". Thesis advisor: Dr. Björn Sundelius.
1995	Transferred, with my thesis advisor, to the Division of Mechanics at Chalmers University of Technology.
1997, Jan. 13.	Ph. D. thesis dissertation. The title of the thesis "Angular Momentum Transfer in Astrophysical Discs". Thesis advisor: Dr. Björn Sundelius, Faculty opponent: Dr. Konrad Kuijken.
1997, Feb.	Awarded a Postdoctoral Fellowship at "the Nordic Institute of Theoretical Physics" (Nordita) in Copenhagen, Denmark.

- 1997, Sept. – 1999, Sept. Postdoctoral studies at Nordita.
- 1999 Appointed assistant professor at the Division of Mechatronics at Chalmers University of Technology.
- 1999, Sept. Began my work as assistant professor at the Division of Mechatronics.
- 2000 Invited to speak at two conferences, namely "The Nordic Symposium on Computational Biology" in Sigtuna, Sweden and "The First International Conference on Systems Biology", in Tokyo, Japan.
- 2001 Invited to speak at the 2nd Workshop on Computation of Biochemical Pathways and Genetic Networks, Heidelberg, Germany.
- 2001, Oct. 12 Awarded the title of "Docent". Explanation: "Qualification as Docent requires, in addition to a Ph.D., substantially greater documented independent ability to lead in formulating and solving scientific research problems, as well as pedagogical competence at the advanced graduate study level"
- 2001, Nov. 30 Awarded the "Pedagogical stipend of Chalmers University of Technology".
- 2001, Nov. 30 Awarded the "Pedagogical prize of the School of Automation"
- 2002 Invited to speak at "Integrated Bioinformatics: High-Throughput Interpretation of Pathways and Biology", in Zürich, Switzerland, Jan. 16-18, 2002.
- 2002 Shortlisted (together with my student Peter Lingman) for the "Best paper award" at the AVEC02 conference in Hiroshima, Japan.
- 2003 Appointed associate professor at the Division of Mechatronics, Department of Machine and Vehicle Systems, at Chalmers University of Technology.
- 2003 Member of the international program committee for the International Conference on Mechatronics, ICOM 2003, in Loughborough, 2003
- 2003 Invited to speak at the "First International Swedish Workshop on Cellular Networks in Norrköping"
- 2004 Appointed co-director of the Complex Adaptive Systems international master program, at Chalmers University of Technology
- 2005 Member of the international program committee for the 3rd International Symposium on Autonomous Minirobots for Research and Edutainment (AMiRE2005), in Fukui, Japan
- 2006 Member of the international program committee for the 3rd Int. Conf. on Soft Computing and Intelligent Systems and the 7th Int. Symp. on Advanced Intelligent Systems.
- 2006 Member of the international scientific advisory committee for the 2nd International Conference on Computational Finance and its Applications, London, UK
- 2006 Member of the technical program committee for the First IEEE Symposium on Computational Intelligence in Image and Signal Processing, CIISP, Honolulu, Hawaii, 2007
- 2007 Invited speaker at SAIS2007, Borås, Sweden
- 2007 Member of the international programme committee for the 11th Mechatronics Forum International Conference on Mechatronics, Limerick.

PhDs supervised by Mattias Wahde

Four of my PhD students (Peter Lingman, Jimmy Pettersson, Peter Forsberg, and Krister Wolff) have obtained their PhD degrees (all during 2006). In addition, three students have achieved the degree of Licentiate of Engineering under my supervision, namely Peter Lingman (2002), Jimmy Pettersson (2003), and Andreas Magnusson (2005).

Collaborators

Prof. Shuji Hashimoto, Waseda Univ., 2002-present
Prof. John Hertz, Nordita, Copenhagen, 1997-present
Dr. Zoltan Szallasi, Children's Hospital, Boston, MA, 2000-2006
Dr. Jesús Savage, UNAM, Mexico City, 2001-2004
Dr. Pitoyo Hartono, Future University, Hakodate, Japan, 2002-present