

ANDERS LYHNE CHRISTENSEN, Ph.D

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SUMMARY

Skilled, innovative leader, researcher and entrepreneur with extensive international experience. Track record of quickly conquering new challenges and delivering excellent results both in academia and in the private sector. Conducted award-winning research and published more than 100 scientific papers on artificial intelligence, machine learning, and robotics.



AREAS OF EXPERTISE

- 15+ years of AI research experience
- Managing cutting-edge, high-tech projects
- Leading teams to excellence
- Specification, design, implementation and test of complex and distributed systems
- Software engineering

EXPERIENCE

Professor WSR of Artificial Intelligence and Robotics and Head of Section Mar. 2019 – now
SDU Biorobotics, The Maersk Mc-Kinney Moller Institute, University of Southern Denmark [www.sdu.dk/en/mmmi]

- Regularly publishes papers on AI and robotics in top journals and at top conferences, see [www.anderslyhnechristensen.com] for details.
- Referee for several top international journals on AI and robotics and served on 60+ international conference program committees.

Associate Professor of Artificial Intelligence and Robotics, University of Southern Denmark Aug. 2018 – Feb. 2019

Founder and Head of BioMachines Lab, Tenured Assistant Professor Dec. 2007 – Jul. 2018
University Institute of Lisbon (ISCTE-IUL) and Institute of Telecommunications, Portugal [www.biomachineslab.com]

- Founded a new research lab, attracted top students, brought in funding, and led the team to produce groundbreaking research.

Founder and CEO Mar. 2016 – Sep. 2016

Ocean Swarm Lda, Portugal [www.oceanswarm.com] (*dissolved*)

- High-tech start-up founded to commercialize AI technology for large-scale multirobot systems.

External Expert – Future and Emerging Technologies, Robotics, AI, Space Research, and Security Apr. 2014 – now
European Commission, Belgium [ec.europa.eu/rea/index_en.htm]

- Proposal evaluations in different calls at the EC's Research Executive Agency

Tech Lead, Research Engineer – High Performance Computing Aug. 2002 – Aug. 2004

Critical Software SA, Portugal [www.criticalsoftware.com]

- Technical lead on the Linux version of WMPI II, an implementation of the MPI-2 standard.
- Developed a framework for automatic testing of multithreaded, distributed systems (Windows and Linux).
- Worked with high-profile clients such as IBM, Microsoft, ESA, Sun, Landmark Graphics, MSC Software, and Century Dynamics.

EDUCATION

Nanodegree in Deep Learning Foundations Feb. 2017 – Jul 2017

Udacity [www.udacity.com]

- Tensorflow, convolutional nets, generative adversarial nets, LSTM nets, image classification, text generation, translation, face generation

Act by Cotec - COHITEC – Entrepreneurship Program Mar. 2015 – Jul. 2015

INDEG Business School, Executive Education [www.actbycotec.com/en/]

- Technology commercialization training program with 100 hours of sessions including IP, business models, and financials.
- Leader of the team that went on to found Ocean Swarm Lda.

European PhD in Applied Sciences – Artificial Intelligence, Complex Systems and Robotics Oct. 2004 – Jun. 2008

IRIDIA-CoDE, Universite Libre de Bruxelles, Belgium [code.ulb.ac.be/iridia.home.php]

- PhD thesis: "Fault Detection in Autonomous Robots".
- Research: AI, complex systems, autonomous robots, multirobot systems, fault tolerance, self-assembly and swarm intelligence.

Master degree in Computer Science (M.Sc.) – Bio-informatics, Data Structures, Algorithms Sep. 1998 – Aug. 2003

Aalborg University, Denmark [www.en.aau.dk]

- Master thesis: "A New Approach to Multipoint Linkage Analysis" in collaboration with deCode Genetics, received highest grade.
- Topper of the class.