

BIOGRAPHY

PROF. JAN-ANDERS E. MANSSON



Professor Jan-Anders E. Mansson, obtained in 1981 his PhD-degree in Mechanical Engineering from Chalmers University of Technology in Gothenburg, Sweden. After 5 years as head of the R&D department at KB Component AB, Sweden, he moved in 1985 to an academic position at the University of Washington, Seattle. In 1987, he was appointed Professor at the University of Washington (Department of Chemical Engineering), and in 1989 Professor at the Royal Institute of Technology (joint appointment Department of Polymer Technology and Aeronautical and Vehicle Engineering), Stockholm.

In 1990, Mansson joined the Ecole Polytechnique Fédérale de Lausanne (EPFL) as Professor and Director of a newly created chair in Polymer and Composite Technology (LTC) at the Institute of Materials. His research at EPFL-LTC focused on novel cost-effective materials and manufacturing methods as well as unique additional functionalities, beyond the classical performance characteristics of composite materials. Scaling strategies for industrial implementation has been a focus since the beginning. Research including partners in the automotive, aerospace, chemical, medical and sport industries has led to over 375 peer reviewed ISI scientific publications, over 300 conference publications, over 50 patents/patent applications. Current h-index: 56.

While maintaining his research program at EPFL, Prof. Mansson was Head of the Materials Department (2000 – 2004), followed by being named EPFL Vice-President for Innovation and Technology Transfer (2004 – 2008), a newly created position with the mission to build-up a “new” tech-transfer interface. During the period 2000-2008, he also served as Swiss Focal Point, under the Swiss Federal Science Agency for the cooperation in Science and Technology with the Republic of Korea. In 2008, Prof. Mansson was elected President of the International Academy of Sports Science and Technology (AISTS), an International Olympic Committee (IOC) co-founded organization linking Academic Institutions in Sport Management and Technology.

In 2016 Prof. Mansson joined Purdue University as Distinguished Professor in Materials and Chemical Engineering and as Director of the Composite Manufacturing and Simulation Center (CMSC). In 2018 he founded the related Manufacturing Design Laboratory (MDLab); a fully functional Industry 4.0 Composite Manufacturing testbed.

He also served as Co-Executive Director for Indiana Manufacturing Competitiveness Center (IN-MaC) and Purdue Coordinator for Advanced Manufacturing to the Wabash Heartland Innovation Network (WHIN) during the period 2020-2024.

In 2019, Mansson founded and became the Executive Director of the newly created Ray Ewry Sports Engineering Center at Purdue, a collaboration between the College of Engineering and Purdue Intercollegiate Athletics, with close links to the International Olympic Committee (IOC). In 2023 he created at Purdue a Professional Master's Program in Sports Engineering and Entrepreneurship

He has currently also served as the Chairman of the Swimwear Approval Committee of the International Federation of Swimming, World Aquatics (FINA) and on the Board of IOC's Athlete365 - Learning Gateway.

In addition of being a World Fellow of the International Committee on Composite Materials, he is member of the Royal Swedish Academy of Engineering Sciences, IVA, and the Swiss Academy of Engineering Sciences, SATW.

PERSONAL DATA & EMPLOYMENTS

PROF. JAN-ANDERS E. MANSSON

PERSONAL DATA

Address: 1500 Northwestern Ave.
West Lafayette, IN 47906

Date of birth: 11 March, 1952, Örkelljunga, Sweden
Private status: Married Queen Chang-Mansson, children Johannes 27, Hanna 22

Education:

1981 Doctor of Philosophy
Chalmers University of Technology, Dept. of Polymeric Materials
Gothenburg, Sweden

1977 Bachelor / Master of Science
Chalmers University of Technology, Mechanical Engineering
Gothenburg, Sweden

EMPLOYMENT HISTORY

2016 – present Distinguished Professor of Materials and Chemical Engineering
Schools of Materials and Chemical Engineering
Purdue University

2018 – present Courtesy appointment in School of Aeronautics and Astronautics
Purdue University

2016 – 2022 Director of the Composites Manufacturing Simulation Center
Purdue University

2018 – 2024 Executive Co-Director of Indiana Manufacturing Competitiveness
Center (IN-MaC), Purdue University

2018 – present Founded and Executive Director of the Manufacturing Design
Laboratory (MDLab)
Purdue University

2019 – present Executive Director of Ray Ewry Sports Engineering Center
Purdue University

- 1990 - 2016 Professor and Laboratory Director
Laboratoire de Technologie des Composites et Polymères (LTC),
Ecole Polytechnique Fédérale de Lausanne (EPFL),
Institut des Matériaux (IMX), Lausanne, Switzerland
- 2008 - 2016 President
International Academy of Sports Science and Technology (AISTS),
Lausanne, Switzerland
- 2004 – 2008 Vice-President
Ecole Polytechnique Fédérale de Lausanne (EPFL)
Spec. responsibility: Innovation and Tech-Transfer
- 2000 - 2004 Director of the Institut des Matériaux
Ecole Polytechnique Fédérale de Lausanne (EPFL)
- 1989 -1990 Professor, KTH, Royal Institute of Technology
Department of Polymer Technology and
Department of Aeronautical Structures and Materials
Stockholm, Sweden
- 1987 – 1989 Assistant Professor
1985 - 1987 Post-Doctoral Fellow
University of Washington, Department of Chemical Engineering
Polymeric Composite Laboratory, Seattle, Washington, USA
- 1981-1985 Head of R&D Department
Konstruktions-Bakelit AB, Örkelljunga, Sweden
- 1977-1981 Teaching and Research Assistant
Chalmers University of Technology, Dept. of Polymeric Materials
Gothenburg, Sweden

