

DAMIEN CHABLAT

Dr. Damien CHABLAT, born 27 of April 1972 in France.

Current position:

- Research Director (and senior researcher) and within the Laboratoire des Sciences du Numérique de Nantes [The Laboratory of Digital Sciences], affiliated to the Centre National de la Recherche Scientifique (CNRS)
- Team leader of the ReV – Robotics and Living (“Robotique et Vivant” in French), Laboratoire des Sciences du Numérique de Nantes (LS2N)

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a) Education and training:

- 1995 - **M.S. (Engineering science)**, Ecole Centrale de Nantes, France
- 1998 - **Ph.D. (Engineering science)**, University of Nantes/Ecole Centrale de Nantes, France. PhD thesis title: “Uniqueness domains and traversability for fully parallel manipulators”.
- 2008 – **Second Ph.D. – habilitation (Engineering science)**, University of Nantes, France. PhD thesis title: “Contributions to the analysis and optimization of multi-articulated mechanisms”.

b) Professional experience

- 1998-1999 - **Post doctoral fellowship** at The Centre for Intelligent Machines within the **McGill University**, Canada (Prof. Jorge Angeles)
- 1999 – present: **Senior researcher** at CNRS at IRCCyN and LS2N, France;
- 2011 – present **Lecturer** in Production Design and Industrial Systems Development Dept., Ecole Centrale de Nantes, France. Teaching: Virtual reality in product design, CAD modelling, Analysis of Complex Mechanical Systems, Design and Layout of Robotic Sites.
- 2008 – present: **PhD supervisor** in Mechanical Engineering
- 2017 – present: **Team leader** of the “Robotique et Vivant”, Living Centered Robotics.

c) Editorial Appointments and Membership

High Ranked Journals

- ✓ 2017-present: Associate Editor for Journal of Mechanisms and Robotics of the ASME
- ✓ 2022-present: Associate Editor for IFTOMM Mechanism and Machine Theory

High-ranked International Conferences

- ✓ Damien Chablat is Associate Editor in multiple IEEE, ASME conferences such as: ICRA - IEEE Robotics and Automation Society (2016-2019), IDETC – ASME (2020 -), IROS – IEEE (2021 -), French Congress of Mechanics (CFM) (2019 -); Human-Computer Interaction (HCI) (2020-), Int. Conf. on Industrial Informatics INDIN (2016),

d) Invited lectures

- ✓ Damien Chablat has been Invited Lecturer in: Tsinghua University (China), August 31 – September 6, 2019, Changzhou University (China), September 26 – October 2, 2017, Vignam’s University (India), December 8 – 15, 2016, and invited speaker at BiomimExpo week (7-11 December 2020) in France.

e) Important international and national awards and Achievements

Best paper award for Chablat, D., Ottaviano, E., Venkateswaran, S. *Self-Motion of the 3-PPPS Parallel Robot with Delta-Shaped Base*. EuCoMeS 2018, MMS, pp.317-324, 2018.

Most cited Article in Mechanism and Machine Theory ([Link](#)) for the paper “*Fundamentals of manipulator stiffness modeling using matrix structural analysis*”, published in 2019

Dr. Chablat is a well-known independent outstanding researcher, highly visible on international level:

- ✓ He is as *moderator* for Arxiv for Robotics ([link](#));
- ✓ He is an *associate editor* of high rank journals (IFTOMM Mechanism and Machine Theory, ASME Journal of Mechanisms and Robotics);
- ✓ He is a member of the **reviewer boards** of High ranked journals (Robotica, IEEE Transaction on Robotics, IEEE Robotics and Automation Letters);
- ✓ He a member in the **editorial committees of international conferences** (ASME, IFTOMM, IEEE: ICRA, IDETC, INDIN, IROS), or national (CFM);
- ✓ He is a *member of the organization committee* of conferences such as ARK-2008, CIRP-2010, Eucomes-2016 and Romansy-2018;
- ✓ He is the *deputy head of* **The Research Group (GdR) in Robotics**, BIOMIMnhb.

In addition, Damien Chablat has academic **collaborations with many countries**, especially within research projects and joint scientific papers:

- ✓ Italy (Cassino University, Genova University),
- ✓ China (Univ Tsinghua, Changzhou Univ.),
- ✓ India (Centrale Mahindra, CISR),
- ✓ UK (Heriot-Watt Univ., University of the West of Scotland),
- ✓ Canada (Polytechnique Montréal, ETS, Laval University),
- ✓ Austria (Innsbruck University), Australia (Monash University).