

Christian Fager

Date of birth: 1974-11-30

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1. Higher education qualification

1998-05-01 **Electrical Engineering**, Chalmers, Sweden

2. Doctoral degree

2003-06-13 **PhD thesis** “Microwave FET Modeling and Applications”, Chalmers, Sweden

3. Postdoctoral positions

2014/07–14/08: **Visiting Scholar**, University of California San Diego (UCSD), USA

2003/06–04/12: **Postdoctoral Researcher**, Microwave Electronics Laboratory, Chalmers

4. Current positions and appointments

2015/11– **Professor**, Microwave Electronics Laboratory, Chalmers.

2017/01– **Vice Director**, GHz Centre, Chalmers

2018/01– **Vice Head**, Microwave Electronics Laboratory, Chalmers.

5. Previous positions and periods of appointment

2011/04–15/10 **Associate Professor**, Microwave Electronics Laboratory, Chalmers.

2009/01–11/03: **Project leader**, Microwave Electronics Laboratory, Chalmers.

2005/01–08/12: **Assistant professor**, Microwave Electronics Laboratory, Chalmers

2003/06–04/12: **Postdoctoral Researcher**, Microwave Electronics Laboratory, Chalmers

1998–2003: **Ph.D. student**, Microwave Electronics Laboratory, Chalmers

6. Supervision

- **Main supervisor for 6 PhDs:** A. Prasad (Dec 2017), D. Gustafsson (Oct. 2014), M. Özen (May. 2014), P. Saad (Nov. 2012), H. Cao (Dec. 2011), H. Nemati (Dec. 2010).
- **Co-supervisor for 7 PhDs:** S. Gustafsson, K. Hausmair, J. Chani, C. Andersson, A. Soltani, U. Gustavsson, K. Andersson
- **Presently main-/co-supervisor for 5/2 PhDs.**
- **Main supervisor for 4 post-docs.**

7. Other information of relevance to the application

7.1. Publication statistics

h-index: 30. (Google Scholar, 2019-02-14). Authored or co-authored >55 peer-reviewed international journal publications and >84 international conference papers. Total citations: 3245. Complete publication list: <http://scholar.google.se/citations?user=57OMjKQAAAAJ>

7.2. International collaborations

- **PhD student exchanges (>3 months):** Univ. Aveiro (Portugal), Univ. Cantabria (Spain), Univ. Torino (Italy), Cardiff Univ. (U.K.), TU Delft (The Netherlands), Univ. Rome Tor Vergata (Italy), POSTECH (S. Korea), Southeastern Univ. (China), Univ. Colorado (US), Univ. Maynooth (Ireland)
- **Other Academic Collaborations with Joint Papers:** KU Leuven (Belgium), Univ. College Dublin (Ireland), Univ. Warsaw (Poland), Univ. Padova (Italy), Vrije Univ. Brussels (Belgium), IAF (Germany)
- **Responsible for Chalmers in EU Network of Excellence (2004-2007): TARGET** (Top Amplifier Research Groups in a European Team). 47 organizations, 240 researchers

7.3. Prizes, Awards, and special grants

- **Best (student) Paper Award**, IEEE International Microwave Symp., Seattle, U.S.A. (2002)
- **Best Paper Award**, IEEE Wireless and Microw. Techn. Conf., USA (2011)
- **Supervisor of the Year**, Chalmers University of Technology, Sweden (2018)
- **Outstanding Reviewer Award**, IEEE Microw. Wireless Comp. Lett. (2011)
- **Chalmers Area-of-Advance Award**, Chalmers University of Technology, Sweden (2010)

7.4. Commissions of trust, Organization of Scientific Meetings, etc.

- **Associate Editor**, *IEEE Microwave Magazine*, 2015-
- **General Assembly Member**, *European Microwave Association*, 2019-
- **General Chairman**, *Swedish Microw. Days/GigaHertz Symposium*, 2014, Chalmers, (~250p)
- **Conference Co-Organizer**, *Int. Workshop on Integrated Nonlinear Microwave and Millimetre-wave Circuits (INMMiC)*, Göteborg, Sweden, 2010. (~80 participants)
- **Workshop organizer**, *IEEE EuMW*, 2018, *IEEE IMS*, Boston, USA, 2009.
- **Invited Panel Session Member**, “5G Power Amplifier Technologies,” (invited experts from NXP, Qorvo, Skyworks, Huawei, UCSD) *IEEE Radio Wireless Week*, 2015
- **Technical Review Committee Sub-committee Chair/Vice Chair/Member**: *IEEE International Microwave Symposium*, 2012-
- **Steering Board Member**, *IEEE International Microwave Workshop Series on "RF Front-ends for Software Defined and Cognitive Radio Solutions,"* Portugal, 2010.
- **Editorial Board Member** for *Int. J. of RF and Microwave CAE* (2009-2014)
- **Program Committee Member**: *International Workshop on Integrated Nonlinear Microwave and Millimetre-wave Circuits (INMMiC)* and *GigaHertz Symposium*.
- **Invited External Examiner** for 6 intl. PhDs (NO, IE, CA, DE, PT) and 2 Lic. theses.
- **Founder and Organizer of new Student Design Competition at Intl. Microwave Symp.:** “Digital Pre-Distortion of Power Amplifiers”, (www.dpdcompetition.com), 2014-
- **Research Proposal Reviewer** STW, the Netherlands, FWO, Belgium
- **Frequent Reviewer** for *IEEE Trans. Microw. Theory Tech.*, *IEEE Microw. Wireless Comp. Lett.*, *Int. J. RF and Microw. Computer-Aided Eng.*, *IEE Elec. Lett.*, *Int. Microw. Symp.*, *European Microw. Conf.*, *Intl. Nonlinear Microwave and Millimetre-wave Circuits Conf.*
- **Passed to Step 2 (interview) in 2015 ERC Consolidator Grant call**

7.5. Invited workshop presentations

- **International Microwave Symposium**, USA: 2009, 2011, 2×2014, 2016, 2×2017, 2×2018
- **European Microwave Week**, 2006, 2007 (2×), 2009, 2015, 2016, 2017, 2018
- **IEEE International Solid State Circuits Conference**, 2019 (*Forum speaker*)
- **IEEE European Solid State Circuits Conference**, 2017
- **IEEE Radio Wireless Week**, USA: 2008, 2014, 2015, 2016, 2018
- **International Wireless Symposium**, China: April 2013
- **National Instruments Week**, USA, Aug. 2014

7.6. Project leadership

Since 2005 PI and leader for 12 collaboration projects in the area of energy efficient transmitters for wireless communications. Partners: Ericsson, SAAB, Infineon, NXP Semiconductors, Ampleon, National Instruments, Qamcom, Gapwaves. Total cash budget managed: ca 8M€.

7.7. Other

PhD students under my supervision have been awarded: IEEE Graduate Fellowship Award (2013), PhD Student Fellowship for EuMIC 2012, 2 × Best (Student) Paper Award Finalist at IEEE IMS (2013, 2015, 2018), Student High Efficiency Power Amplifier Design Competition Winner (2011), Outstanding Achievement Awards (2008, 2010). Scholarship for Excellent Chinese Oversea PhD Students (2011). Ericsson Research Foundation Scholarship (2010, 2×2016, 2017).