

Jean-Luc ADAM
Senior Scientist at CNRS (Director of Research)
UMR CNRS 6226 Institut des Sciences Chimiques de Rennes,
Université de Rennes 1, Campus de Beaulieu,
35042 Rennes Cedex, France
Tél : +33 (0)2 23 23 62 62 – jean-luc.adam@univ-rennes1.fr



Previous positions and status

- 1983 : PhD Thesis in chemistry, University of Rennes 1
- 1983 - 1984 : Post-doc, Oklahoma State University (USA) on luminescent materials
- 1984 - 1999 : CNRS Research fellow, University of Rennes 1
- 1989 : Research associate at IBM-Almaden Research Center (USA), on materials for optical memories
- 1999 - present : CNRS Research Director, University of Rennes 1
- 2001 - 2005 : “Chargé de Mission” Chemistry Department (CNRS headquarters, Paris)
- 2002 - 2005 : Head of “Laboratory of Glasses & Ceramics”, UMR CNRS 6512, University of Rennes 1 (25 permanent faculties, scientists and technical staff)
- 2006 - 2011 : Deputy-Director of “Institute of Chemical Sciences in Rennes”, UMR CNRS 6226, University of Rennes 1
- 2009 – 2012 : Head of Associated International Laboratory on Materials & Optics (MATEO), with University of Arizona (Tucson, USA).
- 2012 - 2016 : Director of “Institute of Chemical Sciences in Rennes” UMR CNRS 6226, University of Rennes 1 (500 permanent faculties, engineers, technical staff, PhD students and post-docs)

Activities

- Scientific activities:*
 - Creation, characterization and forming of non-conventional glasses for optical applications: Rare-earth-doped non-oxide glasses and glass-ceramics, optical fibers and planar waveguides, microstructured optical fibers, chalcogenide glasses for the mid-IR.
 - > 240 scientific papers and book chapters
 - > 65 personal invited lectures at international conferences
 - H index: 39, > 5000 citations (scopus)

- International programs (more recent)*
 - COST European network on « Advanced Fibre Lasers and Coherent Sources as tools for Society, Manufacturing and Lifescience », 27 countries involved, (2014-2018), member of Management Committee
 - Partner University Fund, International research program on « Advanced Materials for Energy and Optics », with University of Arizona, (2011-2014) co-leader

- FP7-ITN European research and exchange program on Glass & Ceramic Composites for High Technology Applications (GlaCerCo), with Germany, UK, Italy and Czech Rep. (2011-2014) co-founder and participant.
- CAI YUANPEI Research and Exchange program: glass-ceramics with low phonon energies for improving the efficiency of solar cells, with State Key Lab of Silicon Materials, Zhejiang University (2010-2012) , French scientific leader
- European Research group on luminescent nano-objects (NANOLUM) : with University of Jena, Tübingen, Lyon 1, Troyes, Roma, Institut ENEA (Italy) (2005-2008) and (2009-2012), local team leader

National Program (more recent)

- CNRS - Universités Rennes and Nantes – Régions Bretagne et Pays de Loire “Control and Design of Multifunctional Materials”, with IMN (UMR 6502), IPR (UMR 6251) , CEISAM (UMR 6230), 800 k€ (2012-2016), coordinator.

Awards

- 2016: Prize of the Rennes 1 foundation, co-attributed to the scientists of the « Glass Research Team » of ISCR
- 2011: Prize of the French Ministry of Higher Education and Research for the best French-American scientific research project (project title: Advanced Materials for Energy and Optics, with University of Arizona)

Distinction

- 2013: Docteur Honoris Causa of the University of Pardubice (Czech Rep.)
- 2005: Chevalier, ordre des Palmes Académiques (french Ministry of Higher Education, 2005)

Scientific committees, expertise

- Member of the Editorial Advisory Board of J. Non-Crystalline Solids since 2011
- Member of Technical Committee 20 (Optoelectronics) of the International Commission on Glass (since 2013)
- Member of the “National Committee of Scientific Research” in “Materials, Nanomaterials, and Chemical Processes – Section 15” (2012-2016 and 2016-2020)
- Member of the executive board of the french Scientific and Technical Glass Society (USTV) (2010-2017)
- Member of the Scientific Board of the French Network on Glassy Materials (GDR Verre) (2006-2017)
- Member of the Scientific Committee of french National Agency for Research (ANR) for « Metallic and Inorganic Materials, and associated Processes”

Rennes, April 12th, 2018

