

Dr. Jean-Marc ZANOTTI

[Web page](#) [Full CV](#)

90 [Publications](#)

H Factor: 26 ([Bibliometrics](#))

Average citation by paper: 33

21 invited conferences

[Laboratoire Léon Brillouin](#) (CEA-CNRS)

C.E.A. Saclay

91191 Gif-sur-Yvette Cedex France

[Instrument responsible](#) at [Inst. Laue Langevin](#)

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CEA Research Director and Fellow

Physics at interfaces and under nanometric confinement

Referent for the LLB outstations

Academic qualifications:

2011:

Habilitation à Diriger des Recherches

[Nanometric confinement of molecular fluids: from interfacial interactions to one dimensional transport properties](#)

Université Pierre et Marie Curie- Paris VI (France).

1994-1997:

PhD in Physics

Structure and dynamics of interfacial water, Université Paris XI- Orsay (France).

Scientific experience:

2004-2021

Commissariat à l'Énergie Atomique

and

Laboratoire Léon Brillouin (CEA-CNRS), French neutron expertise

1997-2000:

[Designer & Scientific project leader](#), now Responsible of [SHARPER](#) at [ILL](#) (Grenoble)

2002-2003:

Argonne National Laboratory (IL, USA)

Visiting scientist at the **Intense Pulsed Neutron Source (IPNS, Argonne, USA)**

Instrument Scientist on the inverted geometry QENS spectrometer.

Scientific Award:

2008:

[Price Schlumberger of the French Academy of Sciences](#)

3 Patents:

2010:

Mineral electrolyte membrane for electrochemical devices. [WO 2012/013603](#).

2015:

Carbon nanotubes membrane for electrochemical devices. [WO/2016/151142](#).

2020:

CNT based composite membrane for electrolyte confinement. [FR2002224](#).

18 Funded Projects:

Principal Investigator (9): 1 "Idée Energie", 2 transverse DRT/DRF projects (LITEN), 1 CEA "Bottom Up" (LITEN), 1 CEA "Programme Transverse de Compétences" (LETI, Joliot, LITEN), 1 CEA "Audace" (DAM/Cesta, Thales, CEATech), 1 MITI CNRS, 1 Marie Curie Fellowships (Argonne, IL, USA), 1 Eurotalents Fellowship (Berkeley, CA, USA).

Partner (9): 4 ANR, 2 European projects, 1 PEPR H₂, 1 ERANET, 1 "Bottom up".

Scientific expertise:

2010-2015:

Responsible of the LLB Soft Complex Matter Scientific Axis.

23 Researchers, 8 Post-Docs and 16 PhD.

2000-2023:

Member of selection panels of 4 Neutron Scattering Facilities.

21 Teaching experiences:

- 4 Talks on inelastic neutron scattering at 4 School of the French Neutron Society.
- 2 courses for Master II Soft Matter Students.
- 11 Practicals for HERCULES and Fan du LLB on neutron scattering.

16 Scientific Supervisions:

- 7 Post-Docs, 6 PhD students and 3 Master-II students.

15 Juries:

- 1 Habilitation à Diriger des Recherches, 13 PhD, 1 CNAM engineer.