

Dr. Jean-Marc ZANOTTI

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

90 [Publications](#)

H Factor: 25 ([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 Senior Expert
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 and Instrument Responsible of [SHARP*](#) 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](#).

14 Funded Projects:

PI of a DSM "Idée Energie", PI in 2 transverse DRT/DRF projects, Partner in 3 ANR.
1 Marie Curie Fellowships, 1 Eurotalents Fellowships, Partner of 1 European project,
1 PEPR H₂, 1 ERANET program, PI of 1 CEA "Bottom Up" program,
PI of 1 CEA "Programme Transverse de Compétences", PI of MITI CNRS.

Scientific expertise:

2010-2015:

Responsible of the LLB [Soft Complex Matter Scientific axis](#)

23 Researchers, 8 Post-Docs and 16 PhD.

2000-2015:

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.

14 Scientific Supervisions:

- 6 Post-Docs, 5 PhD students and 3 Master-2 students.

14 Juries:

- 1 Habilitation à Diriger des Recherches, 12 PhD, 1 CNAM engineer.