

Dr. Jean-Marc ZANOTTI

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

H Factors Web of Science: 27 ([Bibliometrics](#))

Google Scholar: 31

Average citation by paper: 31

22 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'Energie Atomique

and

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

1997-2000:

Scientific project leader and instrument responsible of [SHARP](#) then [SHARPER](#) ([video](#)) at [ILL](#).

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](#).

17 Funded Projects:

- Principal Investigator: CEA "Idée Energie", 2 transverse DRT/DRF projects, 1 Marie Curie Fellowships, 1 Eurotalents Fellowships, CEA "Bottom Up", 1 European WP, 1 CNRS MITI, 1 CEA "Programme Transverse de Compétences", 1

CEA "Audace !".

- Partner: 4 ANR, 1 European project WP, 1 PEPR H₂ WP, 1 ERANET.

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.

17 Teaching experiences "inelastic neutron scattering":

- 4 School of the French Neutron Society.
- 2 courses for Master II Soft Matter Students "Neutron and polymer dynamics".
- 11 Practicals for [HERCULES](#) and [FANS](#) du LLB on neutron scattering.

17 Scientific Supervisions:

- 8 Post-Docs, 6 PhD students and 3 M2 students.

15 Juries:

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