

**Dr. Jean-Marc ZANOTTI**

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

86 [Publications](#)

H Factor: 23 ([Bibliometrics](#))

Average citation by paper: 29

20 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**

*Physics at interfaces and under nanometric confinement*

### **Academic qualifications:**

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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:**

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2004-2021

#### **Commissariat à l'Énergie Atomique**

and

#### **Laboratoire Léon Brillouin (CEA-CNRS), French neutron facility**

1997-2000:

Physicist and Instrument Responsible of [IN6-Sharp](#) at [ILL](#) (Grenoble)

In charge of the design of Sharp<sup>+</sup>, the future LLB/ILL Spectrometer.

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:**

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2008:

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

### **3 Patents:**

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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.

### **9 Funded Projects:**

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Partner in 3 ANR, PI of a DSM "Idée énergie", PI in 2 transverse DRT/DRF projects.

Partner of 1 H2020 project, 1 Marie Curie Fellowships, 1 Eurotalents Fellowships.

### **Scientific expertise:**

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2010-2015:

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

2000-2015:

Member of selection panels of several 4 Neutron Scattering Facilities.

### **17 Teaching experiences:**

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- 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.

### **10 Scientific Supervisions:**

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- 5 PhD students and 5 Post-Docs.

### **12 Juries (PhD and engineers):**

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- 11 PhD thesis and 1 CNAM engineer.