

Philippe Allongue

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Education :

1980 Engineering degree in Electronics (École Supérieure d'Électricité)

1980 Master degree in Material Science (University P & M Curie, Paris)

1984 Doctorat de 3e cycle (University P & M Curie, Paris)

Photoelectrochemical cells stabilized by a redox system:

1988 PhD degree in Material Sciences (University P & M Curie, Paris)

The GaAs/electrolyte interface:

1994 Habilitation in Physics (University P & M Curie (23/09/1994))

Positions at CNRS – Ecole Polytechnique:

Hired by CNRS since 1983, joined Prof. Heinz Gerischer at Fritz Haber Institut (Max Planck Society) in Berlin as Humboldt fellow (1990-1992) to study Si etching at atomic scale with in situ STM. Back in France, initiated a small group working on electrochemical surface science at CNRS - UPMC (Paris, 1993 - 2003) and moved to Condensed Matter Physics Laboratory at Ecole Polytechnique (Palaiseau, France) in 2003 where I am presently Directeur de Recherche and head of the "electrochemistry and thin film group" at PMC. My current research interests include:

- Fundamental aspects of metals and alloys electrodeposition
- Magnetic ultrathin films and voltage control of magnetization
- Electrocatalysis
- Molecular organization and interaction at silicon surfaces
- Functional thin films (Biosensors, Prussian blue analogues and MOF)

Other occupations:

- Since 2012: co-chair with Prof. O. Magnussen the International Fischer Symposium, a *meeting on nanoscale electrochemistry*, held every 3 years in Lübeck. The next symposium will be held in 2018.
- Since 2014: Editor at *Electrochimica Acta*.

Awards:

Bronze Medal of CNRS (1989), Hellmuth Fischer Medal (1997), Faraday Medal of the Royal Society of Chemistry (1999), Electrodeposition Research Award of Electrochemical Society (2011), since 2013 fellow of the International Society of Electrochemistry (ISE)