

Pillar 3

Session 3.1 Networks/ lab to fab/ecosystems

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Currently deputy director for physics in the direction of external collaborations and industrial partnerships (CEA fundamental research division), Yves Samson served in senior management or program management positions, such head of the Institute for nanoscience and cryogenics (Inac, a joint CEA – University Grenoble Alpes Institute, 2013-2017 or as director of the CEA nanoscience program (2010-2013). He then participated to the management of world-class characterization (Minatec nanocharacterization facility, French beam- and neutron-lines at ESRF and ILL) and nano-fabrication (PTA clean room) facilities in Grenoble, and of the CEA nanosimulation program.

Former student of the Ecole Normale Supérieure de Lyon, Yves Samson joined the CEA in 1995 after a PhD dealing with the surface mechanisms involved in the direct synthesis of dimethyldichlorosilane. Since, he obtained the Habilitation from Univ. Grenoble Alpes in 2002. His main research activities were on spintronics, nanomagnetism, near-field microscopies and surface science. He relied on both top-



down (thin layer growth and lithography) and bottom up approaches (chemical synthesis of nanoparticles).

He is author or co-author of 69 papers in international journals (h-index of 23), of five patents and of two chapters in scientific books. He has extensive experience in program prospective, evaluation and management. He has been member (and Vice-President 2016-2017) of the ANR strategic scientific committee for the Information and Communication Society challenge, and of the PHYCHEMA scientific committee of Science Europe (2013-15).

