

July 2022

Institut Mines-Télécom's new Scientific Advisory Board helps prepare the new strategy for 2030

The new Scientific Advisory Board for Institut Mines-Télécom (IMT) met for the first time on May 19, 2022. This session provided an opportunity to review IMT's strategy that is currently being developed for 2030. Board members shared their recommendations for the joint development of a comprehensive plan responding to the scientific and societal challenges facing Institut Mines-Télécom.

Institut Mines-Télécom: group-wide research

With 8 engineering and management schools, Institut Mines-Télécom has the resources required for developing synergies between various disciplines to address national and European social and economic issues. IMT aims to contribute to the major transitions under way in the areas of energy, ecology, digital technology, industry and health in a time of profound economic and geopolitical changes by conducting both academic and technological research to support economic development and innovation.

The backbone of Institut Mines-Télécom's research is formed by major themes reflecting its mission statement: "Working together to imagine and build a sustainable future and train our stakeholders".

- Industry of the future
- Digital Sovereignty
- Energy and circular economy & society
- Engineering Health & Wellness

The IMT 2030 strategy will be presented in the last quarter of 2022.

Jean-Philippe Lagrange, Scientific Director of Institut Mines-Télécom: "*Institut Mines-Télécom's strength lies in the excellence and diversity of its teaching and research teams. Our research seeks to achieve excellence in an approach driven by the challenges identified in our strategy, which are clearly transversal and multidisciplinary. To face these ecological, societal and economic challenges, we must provide solutions developed collectively that integrate so-called hard sciences with human sciences. The Scientific Advisory Board reflects this diversity and will be able to support us, both nationally and internationally, in identifying the right issues and assessing scientific excellence.*"

Composition of the Institut Mines-Télécom Scientific Advisory Board

The Scientific Advisory Board's composition reflects the thematic scope of its scientific activities and the diversity of its research and innovation initiatives. Its 25 members advise IMT on the major guidelines for its R&D and scientific strategy.

The Scientific Advisory Board is chaired by **Virginie Maillard**, Siemens Technology, Head of Technology Field Simulation and Digital Twin / US Region Head.

Representatives from the corporate world, industry or services

- Bruno Aïdan, Air Liquide, Chief Data officer & Head of “La digital factory” Air Liquide;
- Yves Brechet, Saint-Gobain, Scientific Director, Académie des Sciences;
- Lyse Brillouet, Orange Labs, Director of Intellectual Property & Licensing;
- Sébastien Devroe, AddUp, Technical Director;
- Emmanuel Dotaro, Thales, VP Thalès Fellow;
- Pol Hoorelbeke, Total Energies, Vice President HSE Audits Division, Major Accident Investigations;
- Philippe Laforge, e.l.m. LeBlanc / Bosch Thermotechnology, Managing Director;
- Claude Pope, Schneider Electric, Vice President of Technology;
- Virginie Maillard, Siemens, Head of Corporate Technology Siemens North America and Head of Global Research in Simulation and Digital Twin Siemens;
- Patrick Segal, Valeo Group, Director of Innovation and Scientific Partnerships;
- Christine Tahon, AchtonConsult, General Manager;
- Catherine Truffert Catherine, IRIS Instrument, President.

Institutional representatives

- Cécile Barrere-Tricca, IFPEN, Director of IFPEN Lyon;
- Enguerrand Habran, Fédération Hospitalier de France, Director of Fonds Recherche & Innovation FHF;
- Bettina Laville, Honorary State Councilor and Chair of Comité 21;
- Daniel Richet, CETIM, Managing Director;
- Anne Varet, ADEME, Scientific Director and Deputy Executive Director for Forward Planning and Research.

Academic representatives

- Claire Adjiman, Imperial College, Professor of Chemical Engineering;
- Laurence Devillers, Sorbonne University, Professor of Artificial Intelligence;
- Gerhard Kramer, Technische Universität München, Vice President of Research and Chair of Communications Engineering;

Saadi Lahlou, London School of Economics, Professor of Social Psychology and Director of Institut d'Études Avancées de Paris;

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- Véronique Michaud, Ecole Polytechnique Fédérale de Lausanne, Associate Professor and Director of the Laboratory for Processing of Advanced Composites;
- Mariapia Pedferri, Politecnico di Milano, Professor of Materials Science and Technology;
- Caroline Thierry, University of Toulouse, Professor in the Department of Mathematics and Computer Science

Elected representatives

Full members

- Imed Boughzala – Head of TIM Technologies, Information & Management Department, IMT-BS
- Mohamed Daoudi – Professor, Teaching, Research and Innovation Centers, CERI Digital Systems, IMT Nord Europe
- Pascaline Pré – Professor, Department of Energy Systems and Environment DSEE, IMT Atlantique

- Grégory Zacharewicz – Professor, LGI2P, IMT Mines Alès

Alternate members

- Grazia Cecere – Dean of Professors of the School, IMT-BS, (alternate for I. Boughzala)
- Eric Duviella – Professor, Teaching, Research and Innovation Centers, CERI Digital Systems, IMT Nord Europe, (alternate for G. Zacharewicz)
- Chafiaa Hamitouche – Professor, ITI – Image and Information Processing Department, (alternate for M. Daoudi)
- Miguel Lopez-Ferber – Professor, Director of the LGEI Research Center for Industrial Environment Engineering, IMT Mines Alès (alternate for Pascaline Pré)

About Institut Mines-Télécom www.imt.fr

Institut Mines-Télécom is France's leading public group of engineering and management graduate schools, under the supervision of the French Ministry for the Economy, Industry and Digital Affairs. The public higher education and research institution is made up of eight public graduate schools: IMT Atlantique, IMT Mines Albi, IMT Mines Alès, IMT Nord Europe, Institut Mines-Télécom Business School, Mines Saint-Étienne, Télécom Paris and Télécom SudParis and two subsidiary schools: EURECOM and InSic. It leads and develops a rich ecosystem of partner schools, economic, academic and institutional partners, and players in training, research and economic development. Created in the 19th century to meet France's economic and industrial development needs, Institut Mines-Télécom graduate schools have accompanied every revolution in industry and communications. Through research and training of engineers, managers, and PhDs, Institut Mines-Télécom takes up the major industrial, digital, energy and ecological challenges in France, Europe and around the world. Nowadays, with its schools Institut Mines-Télécom is working to imagine and create a world that combines science, technology and economic development with respect for the planet and for the women and men who live on it. It is recognized by 2 Carnot Institute accreditations and trains over 13,300 students each year.



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