

SHAPE THE FUTURE OF SCIENCE & SOCIETY

ESPCI Paris-PSL is pleased to invite you to the first edition of **Shape the future of science and society**, which will focus on

THE FUTURE OF MATERIALS

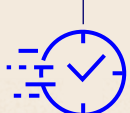
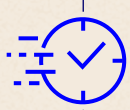
WEDNESDAY, NOVEMBER 19 2025

from 8:30 a.m. to 12:30 p.m. in the IPGG lecture hall

A half-day science innovation forum connecting ESPCI's breakthrough research with industry leaders and the general public.

Please confirm your attendance by November 5, 2025

CONFIRM ATTENDANCE ►

08:30	 Welcome coffee		
09:00	Launch of the first edition		
09:10	Plenary	<i>New materials in the transition to zero greenhouse gas emissions</i>	Steven Chu , Professor, Stanford University, Nobel Prize in Physics 1997
SESSION 1			
MATERIALS OF THE NEAR FUTURE – AT THE SCALE OF THE ATOM AND MOLECULE			
09:40	► Sustainable polymer materials through dynamic covalent chemistry		Renaud Nicolaÿ
	► Metal-organic frameworks as nanoporous materials for a sustainable world		Christian Serre
	► Quantum materials: storing energy without critical elements		Brigitte Leridon
	► Soft power: doing more with less using bioinspired materials		Alba Marcellan
	► Audience Q&A and roundtable: bringing materials of the near future from labs to industry		
10:35	Soft matter in industry		François Court
10:50	 Networking break		
11:20	Soft matter in academia	<i>Fast but viscous!</i>	David Quéré
SESSION 2			
MATERIALS OF THE FAR FUTURE – AT THE SCALE OF THE BUILDING BLOCK			
11:30	► Metamaterials: taming waves through engineered structures		Fabrice Lemoult
	► Self-behaving materials: achieving spontaneous motion with active solids		Olivier Dauchot
	► Programmable matter: from building blocks to intelligent materials		Zorana Zeravic
	► Towards living materials that sense, adapt and evolve		Manuel Théry
	► Audience Q&A and roundtable: bringing materials of the far future from labs to industry		
12:25	Plenary	<i>Shaping society through innovation and materials science</i>	Mark Miodownik , Professor of Materials & Society, University College London
12:55	Conclusion		
13:05	 Lunch and networking		
LAB VISITS			
14:30 16:00	► Time-varying metamaterials and time crystals		Institut Langevin
	► Structured polymer materials: synthesis & characterization		C3M Laboratory
	► Getting in shape: programmable morphing materials		PMMH Laboratory

Please confirm your attendance by November 5, 2025

CONFIRM ATTENDANCE ►