



COLLÈGE
DE FRANCE
— 1530 —

CHAIR IN INFORMATION
TECHNOLOGY AND DIGITAL
SCIENCES

PROFESSOR BERNARD CHAZELLE

HOLDER, ACADEMIC YEAR 2012–2013

Algorithms and Science

Bernard Chazelle (PhD, Yale, 1980) has been Professor at Princeton University since 1986, where he holds the Eugene Higgins chair in Computer Science. As Director of the NSF Center for Computational Intractability, his research bears on algorithms and complexity. He was visiting professor at École normale supérieure, École Polytechnique, University of Paris-Sud, and INRIA. He spent many years as a consultant at Xerox PARC, DEC SRC, and NEC Research where he chaired the Board of Fellows. He is also a member of the American Academy of Arts and Sciences, ACM Fellow, Guggenheim Fellow, and winner of several awards at the SIAM mathematical society.

>Amphithéâtre
Guillaume Budé

Open to all, subject to
seat availability

11, place
Marcelin-Berthelot
75005 Paris

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This chair is
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Inaugural lecture on Thursday, October 18, 2012 at 6 p.m.

●Lecture by
Prof. Chazelle
●Guest
lecturer

October 25	2 p.m. 3 p.m.	The Complexity of Randomness <i>Randomness and Complexity in Cryptography</i> Jacques Stern, ENS Ulm
November 8	2 p.m. 3 p.m.	Interactive Proofs and Algorithmic Epistemology <i>Approximations</i> Claire Mathieu, ENS Ulm, CNRS
November 15	2 p.m. 3 p.m.	Communication Complexity <i>Computational Insights and the Theory of Evolution</i> Christos Papadimitriou, University of California, Berkeley
November 22	2 p.m. 3 p.m.	Algorithmic Game Theory <i>Quantifying the Inefficiency of Game-Theoretic Equilibria</i> Tim Roughgarden, Stanford University
November 29	2 p.m. 3 p.m.	Machine Learning and Self-Improving Algorithms <i>Optimization and Learning</i> Alexandre d'Aspremont, École Polytechnique
December 6	2 p.m. 3 p.m.	Algorithmic Emergence <i>Persistent Homology Applied</i> Herbert Edelsbrunner, IST Austria
December 13	2 p.m. 3 p.m.	Influence Systems and Social Dynamics <i>Physarum Computations</i> Kurt Mehlhorn, Max-Planck-Institut
December 20	2 p.m. 3 p.m.	Natural Algorithms and the Sciences <i>Routing and Navigation Algorithms</i> François Baccelli, University of Texas, Austin, and ENS Ulm