



David L. Donoho

Élu Associé étranger le 8 décembre 2009 dans la section de Mathématique

David L. Donoho, né le 5 mars 1957 aux États-Unis, est professeur à l'université de Stanford en Californie. Il développe des objets mathématiques et de statistique mathématique dont les applications sont nombreuses. Ils permettent en particulier d'exploiter de manière spectaculaire le développement des calculs maintenant possibles grâce à l'informatique. Parmi ses thèmes de recherche, on peut mentionner la théorie du signal, l'analyse harmonique et les ondelettes, la géométrie en très grande dimension et la théorie de l'information.

David L. Donoho, born in 1957 in the USA, is a professor at Stanford University in California. He has developed tools for mathematics and mathematical statistics which have found numerous applications. In particular, they can be used to exploit the computational developments available through informatics in a spectacular manner. His themes of his research include signal processing, harmonic analysis and wavelets, very high-dimensional geometry, and information theory.

Curriculum vitae

1983-1997	Assistant Professor, Associate Professor, Professor, University of California at Berkeley (USA)
1990-2008	Professor at Stanford University
2005-2010	Research Staff at Renaissance Technologies
2009-present	Anne T. and Robert M. Bass Professor in the Humanities and Sciences, and Professor of Statistics, Stanford University

Membership

1990 Fellow of the Institute of Mathematical Statistics
1992 Fellow of the American Academy of Arts and Sciences
1998 Member of the National Academy of Sciences (USA)

Awards

1992-1996 John D. and Catherine T MacArthur Prize Fellow
1994 President's Award, Committee of Presidents of Statistical Societies
2000 Outstanding Achievement Award, Society Photo. Instr. Eng.
2001 Von Neumann Prize, Society for Industrial and Applied Mathematics (SIAM)
2002 Plenary Lecturer, International Congress of Mathematicians (Beijing)
2008 Information Theory Paper Award, Information Theory Society
2010 Norbert Wiener Prize in Applied Mathematics, American Mathematical Society and SIAM

Le 6 mai 2010