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Remembrance of Gérard Maugin

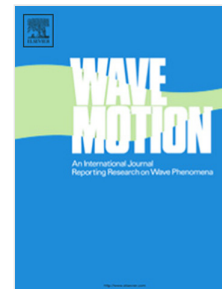
Joël Pouget

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Remembrance of Gérard Maugin

Joël Pouget

Université Pierre et Marie Curie
Institut Jean le Rond d'Alembert
4, place Jussieu, 75005 Paris Cedex 05
joel.pouget@upmc.fr

It is with great sorrow we received the sad news that our esteemed and dear colleague Gérard Maugin passed away on September 22nd 2016 in his 72nd year.

Gérard Maugin was an internationally recognized specialist in continuum mechanics and wave propagation. His scientific interests spanned nonlinear effects in mechanics, physics and biology, especially, nonlinear waves, solitons, fracture, coupled electro-magneto-mechanical effects, media with microstructure and smart materials. He described himself as a French mechanical-aeronautical engineer with an American education and a strong interest in mathematical physics.

He was educated in Paris (Mechanical Engineer, 1966; Aeronautical Engineer, 1968, M.Sc. in Mathematics, 1968) and in Princeton (MA, 1969; PhD, 1971) and received his Doctorat d'Etat es Science Mathématique in 1975 from Université Pierre et Marie Curie (also known as Paris 6). Appointed to the Centre National de la Recherche Scientifique in 1972, he quickly became Director of Research and a major force in the Continuum Mechanics group in Paul Germain's laboratory at Paris 6. He later served for nine years on the national selection committee for admission and promotion of professional researchers within CNRS. In 1985 he became head of the Laboratoire de Modélisation en Mécanique, a large research unit devoted to all aspects of theoretical fluid and solid mechanics. He was the founder in 2007 and first director of the Institut Jean le Rond d'Alembert which combined theoretical and experimental studies in Solid and Fluid Mechanics, Energetics and Acoustics, including original fields as musical acoustics.

Gérard Maugin lectured on all continents, published about 350 refereed papers in international journals, contributed to some 200 proceeding of international conferences and he was the author or co-author of twelve monographs or textbooks. More recently, his scientific interests turned to the history of science and epistemology, with specific interest in Gabrio Piola, Pierre Duhem, Hermann von Helmholtz, and the Cosserat brothers, not to forget his dear d'Alembert. He published several books in this field.

He was honoured by several medals and prizes among them: a CNRS medal in 1977, the Doisteau-Blutet Prize from the French Academy of Sciences in 1982, the Max Plank Research award for 2001, the Eringen Medal from the Society of Engineering Science in 2003, and most recently in 2016 the International Gili Agostinelli Prize from the Academy of Sciences of Torino for his work on configurational forces, nonlinear waves and solitons. He received honorary doctoral degrees from several countries, such as Lomonosov State University in Moscow, the Technical University of Darmstadt, and Aristotle University of Thessaloniki. He was a foreign member of the Polish Academy of Sciences, and of the Estonian Academy of Sciences, was a long-time member of professional societies, e.g. ASME, SIAM, APS, and he was actively involved in European and international scientific projects. He was very active on the editorial boards of international journals, particularly with Wave Motion for which he served since 1985, working tirelessly until a short time before his death.

Gérard Maugin established many long-lasting fruitful and friendly scientific collaborations. He mentored a number of young researchers as PhD students or as Post-doctoral researchers. Many will remember his strong personality, but also his kind attention and availability, encouraging his younger colleagues while offering friendly advice on which they could rely. His mastery and competence in his subject allowed him to convey his limitless enthusiasm for scientific knowledge and culture. He will be sadly missed by colleagues the world over.



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