



The 2016 Rodney Hill Prize In Solid Mechanics

It is with pleasure that Elsevier and the International Union of Theoretical and Applied Mechanics jointly announce the award of the **2016 Rodney Hill Prize** for contributions to the field of Solid Mechanics to **Dr. Raymond Ogden** of the University of Glasgow. This prize was founded by and is sponsored by Elsevier. The prize will be presented to Dr. Ogden at the 2016 International Congress of Theoretical and Applied Mechanics to be held in Montreal, Canada. Dr. Ogden currently holds the George Sinclair Chair of Mathematics in the School of Mathematics and Statistics of the University of Glasgow. He completed work toward a PhD degree in solid mechanics and applied mathematics at Cambridge University under the guidance of Professor Hill.

Throughout his distinguished career, Ogden has pioneered in the development of the continuum mechanics framework for the study of nonlinear material behavior and large deformation continuum mechanics. The constitutive law he proposed for rubber-like materials has been broadly adopted as a basis for numerical simulation. His 1984 book on **Non-linear Elastic Deformations** has become a classic in the field. Beginning with the constitutive description of rubber-like materials, now known as the Ogden model, he has developed constitutive descriptions of biological materials. In the past ten years, he has developed computational models of arterial walls that have been integrated into most commercial finite element codes. More recently, he has also pioneered in the development of constitutive descriptions for large amplitude deformation of soft materials that exhibit electromagnetic behavior.

Previous recipients:

2008: Michael Ortiz
2012: Huajian Gao

Invitation of nominations:

1 A nomination should include a brief *curriculum vitae* (either narrative or outline in form, but no more than two pages in either case) of the candidate being nominated, a list of his/her publications during the period 2006-2015 with up to 10 of particular distinction being marked by asterisks, and a brief (no more than one page) statement of the case for making the award to the particular nominee.

The deadline for such nominations is 1 June 2015.

2 Nominations not following the foregoing guidelines will be returned to the nominator and will not receive further consideration.

3 Nominations should be sent to the committee chairman, L. B. Freund, at freundlb@gmail.com before 1 June 2015.

The Journals in Solid Mechanics published by Elsevier

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