

Irene Fonseca

Professor at Carnegie Mellon University

Pittsburgh, PA, US

Irene Fonseca's research focus is on training in applied mathematics at the broad interface between the physical sciences and engineering.

Biography

Irene Fonseca's primary focus is on research and training in applied mathematics at the broad interface between mathematics, the physical sciences and engineering. Irene's research program includes the mathematical study of shape memory alloys, ferroelectric, magnetic materials, composites, thin structures, phase transitions in fluids and solids, and the mathematical analysis of image segmentation, denoising, detexturing and recolorization in computer vision.

Industry Expertise

Research, Education/Learning, Writing and Editing

Areas of Expertise

Ferroelectric, Engineering, Business and Economics, Applied Mathematics, Shape Memory Alloys

Affiliations

European Academy of Sciences : Fellow, American Mathematical Society : Fellow, SIAM : Fellow, American Association for the Advancement of Science (AAAS), Association for Women in Mathematics (AWM)

Education

University of Minnesota

M.S.

University of Minnesota

Ph.D.

University of Lisbon

Licenciatura Mathematics

Accomplishments

Senior Prize

International Society for the Interaction of Mechanics and Mathematics

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