

C. Nataraj, PhD

**Moritz Endowed Professor of Engineered Systems; Director, VCADS Research Center |
College of Engineering at Villanova University**

Villanova, PA, US

C. Nataraj, PhD, is an expert in unmanned vehicles, robotics, and diagnostic healthcare systems.

Biography

Dr. Nataraj is the Mr. and Mrs. Robert F. Moritz, Sr. Endowed Chair position in Engineered Systems, Professor of Mechanical Engineering, and Director of the Villanova Center for Analytics of Dynamic Systems (VCADS) at Villanova College of Engineering. Unmanned vehicles and robotics is Dr. Nataraj's primary area of specialty. Dr. Nataraj serves as faculty adviser for the College of Engineering's student team to compete in RobotX, an annual, selective international competition on autonomous surface vehicles, organized by the Office of Naval Research and the Association of Unmanned Vehicles International to foster and stimulate research in marine autonomy. Nataraj has received several grants from the Office of Naval Research to investigate the feasibility of developing and testing unmanned ocean vehicles. Knowledgeable about prognostics, an engineering discipline that predicts the future condition of a component or system, he would be a good source for information on machinery maintenance and failure, as well as cutting-edge diagnostic healthcare systems.

Industry Expertise

Research, Education/Learning

Areas of Expertise

Autonomous Vehicles, Drones, Machine Learning, Prognostic Tools, Robotics, Unmanned Vehicles

Affiliations

Elected Member of the Franklin Institute's Committee of the Sciences and the Arts, Chairman of the Board of Directors of the Turbo Research Foundation

Education

Arizona State University
PhD

Arizona State University
MS

Select Accomplishments

Villanova University Outstanding Faculty Research Award
2013

Mr. and Mrs. Robert F. Moritz, Sr. Endowed Chair in Systems Engineering
2012

Dr. C. Nataraj Appointed to the Editorial Boards of Two Scholarly Journals

2012 In recognition of his expertise and accomplishments in a number of key research areas, two prominent scholarly journals invited Dr. C. Nataraj, Professor and Chair of Mechanical Engineering, to join their editorial boards in December. As a member of the editorial board for the International Journal of Advanced Robotic Systems and the Journal of Applied Nonlinear Dynamics, he joins dozens of highly-esteemed researchers from around the world.

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