

Press Release

**Centrale Nantes appoints its first 'Adjunct Professor' –
Professor Suresh G. Advani, University of Delaware, USA**

A ceremony was held at Centrale Nantes on Monday 11 June 2018 to mark the appointment of Professor Suresh G. Advani as adjunct professor. The position of adjunct professor is new to Centrale Nantes and is designed to retain and optimize the contribution of a number of external professors with an international reputation.



A pioneer in the field of upstream and applied research on composite materials in the USA, **Prof. Suresh G. Advani** is a leading scientist of international stature in this field. He has been a guest professor at the Research Institute in Civil and Mechanical Engineering (GeM) since September 2017. The objective of the adjunct professor status is to propose joint and collaborative teaching and research activity between the school and the professor for a renewable five-year period. Professor Suresh G. Advani will:

- Develop methods to characterize the variability of materials and composite manufacturing processes
- Refine modelling to include the effect of variability of materials and processes on the final composite product
- Improve existing processes or develop new processes

Prof. Advani will also be involved in the development of a symposium and mini-courses as part of the **ECCM 19** - European Conference on Composite Materials - to be held in June 2020 in Nantes.

About Suresh G. Advani

Suresh G. Advani is a professor of mechanical engineering and Associate Director of the Center for Composite Materials, at the University of Delaware, USA. He obtained his PhD from the University of Illinois at Urbana-Champaign in 1987. He chaired the Mechanical Engineering Department at the University of Delaware from 2012 to 2017.

His research interests include: Rheology, fluid mechanics and heat transfer applied to composite processes, fuel cell mechanisms and hydrogen storage. His work focuses on the in-depth understanding and physical and numerical modelling of the complex flow phenomena that develop in composite manufacturing. He is one of only a handful of researchers to have worked on almost all the processes developed to date.

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Prof. Advani has published more than 300 journal articles and has been invited to speak at over 100 conferences. He is a member of the American Society of Mechanical Engineers and is the North American editor of the journal 'Composites Part A'. In 2015, he received the Outstanding Research Award from the American Society of Composites.

About Centrale Nantes

Founded in 1919, Centrale Nantes is a French engineering school and member of the Ecoles Centrale Group. Its undergraduate, Master and PhD programmes are based on the latest scientific and technological developments and the best management practices. At Centrale Nantes, research and training are organised into three key areas for growth and innovation: manufacturing, energy transition and healthcare. With research platforms ranging from digital simulation to prototyping using full-scale models and an incubator with 20 years of experience in supporting start-up projects, the school has two major tools for innovation and creation, working hand in hand with the world of business. Centrale Nantes promotes its teaching and research capabilities at international level through around 100 partnerships with prestigious universities and schools worldwide.

Centrale Nantes welcomes 2,320 students, including 1,550 undergraduate students, 200 Executive Education and ITII degree apprenticeship students, 260 PhD students and 400 Masters students, on its 40-acre campus.

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