

HOW NANO TECHNOLOGY AND MATERIAL SCIENCE IS CHANGING THE WORLD

September 16, 2016 at 12:30pm

Engineering Bulding 2, Rm W122

In the last decade we have seen advances in material science often referred to as material changes in nanotechnology. However, the advances in nanotechnology are a natural progression of being able to control and develop materials far more efficiently, and as a consequence changing how we tackle new innovations. I shall present some of the work we have been involved in, from the past nanocomposite work to our latest ventures in commercializing nanomaterials as the first UH spin out in nano.



Seamus Curran

Department of Physics

University of Houston

SPEAKER BIO

Prof Curran received has a bachelor's degree in material science and a PhD in physics, both from Trinity College Dublin, Ireland. Currently, he is the CEO and Chairman of Integricote, is also the director of the Institute for NanoEnergy (2010 – Current). He previously held an assistant professor position in physics at New Mexico State University (2003-2007), Associate Prof (2007-2014) and promoted to full professor in 2014. He also held postdoctoral positions at the Max Planck Institute in Stuttgart, CNRS in Nantes and Rensselaer. He has been the PI and Co-PI on \$5 Million federally funded over the last 7 years. Prof Curran's research accomplishments include publishing over 100 articles and papers, which have been cited over 4,650 times, h index of 28, awarded 9 patents and a further 16 patent applications and PCT review stage. Prof Currans focus is in nanotechnology where his commercialization efforts are in hydrophobic coatings for multiple surfaces while his research program specializes in nanocomposite formation (first patent in field in 1998), nanomaterials for optical limiting and the use of organic polymers for photovoltaics.

Contact Professor Jiming Bao at jbao@uh.edu if you would like to arrange for a time to meet with Dr. Curran.

UNIVERSITY of HOUSTON

CULLEN COLLEGE of ENGINEERING
Department of Electrical & Computer Engineering