Carbon Materials for the Future
By
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Date: 8 January 2015, Thursday
Time: 9.45am to 10.45am
Venue: MAS Executive Classroom 1
Host: Assoc. Prof Yu Ting

Abstract

A personal perspective of what new carbon and related materials might be achieved in the future will be offered. These include ‘negative curvature carbons’, ‘diamane’ and related ultrathin $sp^3$-bonded carbon films/foils, $sp^2/sp^3$-hybrid materials, and others.

Short Biography

Rodney S. Ruoff, Distinguished Professor, UNIST Department of Chemistry and the School of Materials Science and Engineering, is director of the Center for Multidimensional Carbon Materials (CMCM), an IBS Center located at the Ulsan National Institute of Science and Technology (UNIST) campus. Prior to joining UNIST he was the Cockrell Family Regents Endowed Chair Professor at the University of Texas at Austin from September, 2007. He earned his Ph.D. in Chemical Physics from the University of Illinois-Urbana in 1988, and he was a Fulbright Fellow in 1988-89 at the Max Planck Institute für Strömungsforschung in Göttingen, Germany. He was at Northwestern University from January 2000 to August 2007, where he was the John Evans Professor of Nanoengineering and director of NU’s Biologically Inspired Materials Institute. He has co-authored over 385 peer-reviewed publications related to chemistry, physics, materials science, mechanics, and biomedical science, and is a Fellow of the Materials Research Society, the American Physical Society, and the American Association for the Advancement of Science. He was awarded the 2014 MRS Turnbull Award and will present the Turnbull Lecture at the Fall 2014 Meeting.