Communicating Scientific Research: Presentations, Papers, Posters, and Proposals

Overview

Communicating Scientific Research teaches young scientists and engineers how to communicate their research effectively in presentations, papers, posters, and proposals. The course consists of one intensive week of training, designed especially for graduate students who have begun their research. The course combines lecture, discussion, critiquing workshops, and out-of-class assignments to give the students opportunities to not only learn the most advanced techniques for communicating scientific research, but also to speak and write about their research and to receive feedback on those efforts. Based on a graduate course taught by Professor Michael Alley at Pennsylvania State University, the University of Wisconsin-Madison, Virginia Tech, this course is designed to help graduate students make their research communications more understandable, memorable, and persuasive. The course will be based on two textbooks, The Craft of Scientific Presentations and The Craft of Scientific Writing, both of which are authored by Michael Alley, the foreign faculty member for the course.

Objectives


| Modules | A. The Craft of Scientific Presentations  
| B. The Craft of Scientific Writing: Papers, Posters and Proposals  
| November 4–8, 2019  
| Number of participants for the course will be limited to fifty. |
| You Should Attend If... |  
| ▪ Executives, engineers and researchers from manufacturing, service and government organizations including R&D laboratories.  
| ▪ Students at all levels (BS/MS/PhD) or Faculty from reputed academic institutions and technical institutions. |
| Fees |  
| The participation fees for taking the course is as follows:  
| Participants from abroad: US $300  
| Participants from Industry: INR 3000  
| Participants from Govt. Organizations: INR 2000  
| The above fee includes all instructional materials and assignments and 24 hr free internet facility. The participants will be provided with accommodation on payment basis. |
The Faculty

**Michael Alley** holds a master of science in electrical engineering and a master of fine arts in writing and is an associate professor of engineering communication at Penn State. He is the author three textbooks: *The Craft of Scientific Presentations* (2003), *The Craft of Editing* (2000), and *The Craft of Scientific Writing* (1996). Both *The Craft of Scientific Presentations* (2003) and *The Craft of Scientific Writing* have been translated to Japanese. Over the past twenty years, he has taught scientific writing and presentations to science and engineering students at Penn State, the University of Texas, the University of Wisconsin, and Virginia Tech. His professional communication workshops have been held around the world. Sites include Sandia National Laboratories, Lawrence Livermore National Laboratory, Los Alamos National Laboratory, United Technologies, the Army Corps of Engineers, the Environmental Protection Agency, Simula Research Laboratory (Norway), the Institute for Energy Technology (Norway), Kaust (Saudi Arabia), the European Space Agency (Chile), the University of Barcelona, Shanghai Jiao Tong University, Seoul National University, the University of Oslo, and the University of Seville. Alley is the founder and lead editor for the popular website “Writing Guidelines for Engineering and Science Students,” which has a half-million visitors each year and is the first Google.com listing for the topic of engineering writing.

**Prof. Manoj K. Arora** is Vice Chancellor at BML Munjal University and former Director PEC Univ. of Technology, Chandigarh. He holds a Ph.D in Remote Sensing from Swansea University, UK. He was a post-doctoral research fellow for about two years in a NASA sponsored project in Electrical Engineering and Computer Science Department, Syracuse University, USA. He has more than 30 years of teaching, research and administrative experience in academic institutions in India, UK and USA. He works in the areas of Remote Sensing, Surveying and Mapping, Geographic Information System (GIS) & Global Positioning Systems (GPS) and their applications.

**Deepak Salunke** received PhD from CSIR-National Chemical Laboratory (NCL), Pune and also worked on Indo-French Sandwich Thesis program at ICSN-CNRS France. As a postdoctoral researcher, he worked at the Department of Applied Chemistry, NCTU Taiwan and Department of Medicinal Chemistry at the University of Kansas (KU), Lawrence, USA and then promoted as Assistant Research Professor at Higuchi Biosciences Centre at KU. Before joining Panjab University, Chandigarh as Assistant Professor of Chemistry, he worked at the Advinus Therapeutics and SAI Life Sciences Pvt. Ltd. Pune.

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Course Co-ordinators

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