



IITR-Penn State Research Initiative in Advanced Material Processing



(Fulbright Specialist Program under USIEF)

The United States-India Educational Foundation (USIEF) has approved the Fulbright Specialist Grant in reference to the proposal submitted by **Dr. Apurbba Kumar Sharma**, Associate Professor, Department of Mechanical and Industrial Engineering for hosting a Fulbright Specialist at IIT Roorkee during May 14, 2018 to May 28, 2018. The Fulbright Specialist, **Prof. Dinesh Agrawal**, *Professor of Engineering Science & Mechanics, Professor of Materials, Director of Microwave Processing and Engineering Center*, The Pennsylvania State University, USA, will be involved in various academic activities such as interactions with faculty and students, laboratory visits and delivering research lectures. Interested persons of the institute are welcome to contact the coordinator (Dr. Apurbba Kumar Sharma, akshafme@iitr.ac.in, 9411100286) for appointment / research discussion with the Fulbright Specialist.

Brief Details of the Fulbright Specialist

Prof. Dinesh Agrawal, Ph. D., is a Professor of Engineering Science & Mechanics, Professor of Materials and Director of Microwave Processing and Engineering Center at The Pennsylvania State University, USA. Dr. Agrawal's research interests include: microwave processing of materials, sintering phenomena, synthesis, characterization & fabrication of materials, low thermal expansion materials, sol-gel synthesis, ceramic oxide superconductors, chemically bonded ceramics, sonochemistry, phase equilibrium studies of ceramic oxides, phosphor chemistry, novel synthesis methods, rad-waste management, etc.



Dr. Agrawal is one of the eminent researchers in the world in the area of microwave processing of materials and has worked at various positions worldwide in different capacities such as visiting professor, honorary professor, appointed member of universities, guest professor etc. He was honored by 'Innovations in Real Materials Award' for his cutting edge research in microwave processing of materials by the International Union of Materials Research Societies. The National Association of Science, Technology and Society (NASTS) awarded his research on 'New Zero Expansion Ceramic Family NZP-CTP'. He is author of more than 325 publications and inventor of more than 20 patents. He was elected Fellow of American Ceramic Society in 2008. He was also elected Professional member (academics) of World Academy of Ceramics in 2006.