

## **Biographies of PPXRD Organizing Committee**

### **Dr. Thomas Blanton - PPXRD Chair**

*International Centre for Diffraction Data, Newtown Square, PA, USA*

Tom is the Executive Director and Principal Scientist at ICDD. Before joining ICDD he was a Senior Principal Scientist at Eastman Kodak Company where he worked in industrial applications of X-ray diffraction and X-ray fluorescence for 31 years. He was responsible for the operation of the X-ray Spectroscopy Laboratory, utilizing diffractometers for powder, pole figure, nonambient, high-resolution, reflectivity, and two-dimensional XRD. Materials analyzed included inorganics, organics, solid state devices, thin films, corrosion products, ceramics, pharmaceuticals, polymers, and nanomaterials. Tom was also the Technical Leader in the Specialty Materials Development Laboratory. His area of focus was utilization of XRD for microstructure characterization resulting in new materials development for intellectual property and product development. Tom has 180+ publications including 4 book chapters, 46 U.S. Patents and 57 international patents.

Tom has served as a member of the ICDD Board of Directors for the terms 1992-1998 and 2004-2013, serving as Chairman 2008-2012. He has also received the honor of being named an ICDD Distinguished Fellow. Tom has been an instructor at the SUNY Albany and ICDD XRD Clinics for more than 30 years, and has served as a lecturer at the University of Rochester.

### **Dr. Detlef Beckers**

*PANalytical, Almelo, The Netherlands*

Lead Scientist

Ph.D. in Physics at the Research Center Jülich, Solid State Physics Institute, Germany in 1996.

Dr. Beckers joined PANalytical B.V. in 1996 (Philips Analytical B.V. at that time) in the position of Project Manager XRD (X-ray diffraction). He was responsible for the management of hardware development projects and (pre-) development of new optical XRD modules. He then assumed the position of Market Segment Manager Pharmaceuticals, Food and Life Science where he was responsible for applications and business development, and the co-ordination of the pharmaceutical, food and life science market activities within the company. Today, he serves as Lead Scientist for PANalytical.

**Dr. Graciela C.D. de Delgado**, University de Los Andes, Merida, Venezuela

Bio coming soon

### **Dr. Julien Giovannini**

*AstraZeneca, Sweden*

Bio coming soon

**Dr. Fabia Gozzo**

*Excelsus Structural Solutions sprl*, Brussels, Belgium

Bio coming soon

**Dr. Arnt Kern**

*Bruker AXS GmbH*, Karlsruhe, Germany

Bio coming soon

**Dr. Keisuke Saito**

Rigaku, Houston, TX, USA

Dr. Saito earned his Ph.D. in Material Science at Tokyo Institute of Technology, Tokyo, in 2002. He joined Rigaku in 2011, and has been in charge of product management of X-ray diffractometers and global marketing

**Dr. Gregory A. Stephenson**

Crystal Pharmatech Inc., Fishers, IN, USA

Senior Scientific Advisor

Dr. Greg Stephenson received his Ph.D. degree in Medicinal Chemistry from Purdue University where he conducted his graduate research under the advisement of Professor Stephen Byrn. In 1994, he joined Eli Lilly and Company's Preformulation Department where he is a Research Advisor responsible for the discovery and characterization of salts and polymorphic forms of potential drug substances. Much of his work centers around the application of solid state techniques such as Single Crystal and Powder X-ray Diffraction and <sup>13</sup>C solid-state NMR spectroscopy, to better understand physical properties of pharmaceuticals. Greg has published over 60 peer-reviewed research articles and patents, serves as Associate Editor for the Journal of Pharmaceutical Sciences, and is an elected Fellow for the ICDD.

**Dr. Raj Suryanarayanan**

*University of Minnesota*, Minneapolis, MN, USA

Professor and William and Mildred Peters Endowed Chair College of Pharmacy

Raj Suryanarayanan (Sury) is Professor and William and Mildred Peters Endowed Chair in the College of Pharmacy, University of Minnesota. He obtained his B.Pharm. and M.Pharm. degrees from Banaras Hindu University, India and M.Sc. and Ph.D. degrees in Pharmaceutics from the University of British Columbia, Vancouver, Canada. The overall goal of his research is to apply principles of pharmaceutical materials science to the design of robust pharmaceutical dosage forms with reproducible and predictable properties. His research group has developed low temperature powder X-ray diffractometric techniques to study frozen and freeze-dried pharmaceutical systems. He is a consultant to numerous pharmaceutical companies and was a member of the USP Expert Committee (Excipients test methods). He is a fellow of the American Association of Pharmaceutical Scientists (AAPS) and is a past chair of the Teachers of Pharmaceutics Section of the American Association of Colleges of Pharmacy. Sury is a member

of the Academy of Distinguished Teachers at the University of Minnesota, is the recipient from AAPS of the Outstanding Educator Award and the David Grant Research Achievement Award in Physical Pharmacy and the PhRMA (Pharmaceutical Research and Manufacturers of America) Foundation Award. He is an Associate Editor of *Molecular Pharmaceutics*.

**Dr. Shawn (Xiaotian) Yin**

*Bristol-Myers Squibb Company*, New Brunswick, NJ, USA

Principal Scientist

Solid-State Chemistry Group

Analytical Research & Development

Research & Development

Dr. Shawn (Xiaotian) Yin received his Ph. D. in Solid-State Chemistry from the University of Waterloo, Canada. He did his Post Doctoral fellowship at the Department of Materials Sciences and Engineering, Cornell University, U.S. Currently, Dr. Yin is a Principal Scientist and the group leader of the Crystal Form Chemistry and Characterization group at Bristol-Myers Squibb. His research interests include pharmaceutical polymorphic form studies, pre-formulation work, nanomaterials for drug delivery, physical characterizations of pharmaceutical substances and powder X-ray diffraction applications in pharmaceutical sciences.

Dr. Yin has (co)-authored 15 scientific publications and eight patents. He serves as a scientific organization committee member for the Pharmaceutical Powder X-ray Diffraction Symposium. Dr. Yin is also a frequent invited lecturer at international and domestic scientific conferences and workshops.