Speaker: Xiaoyi Jiang

Title: Deciphering the “Thousand Words” of an Image: The Biomedical Imaging Perspective

Abstract:

Imaging has become an indispensable tool in biology and medicine for basic research and clinical practice. Biomedical image processing and analysis provide powerful methods and systems to uncover valuable information from image data and thus enable intelligent decision-making. The specific image characteristics and problems in these areas have motivated researchers to develop novel concepts and algorithms. This talk emphasizes the basic research view of biomedical imaging and discusses a number of challenges and related concepts and algorithms. In addition, recent developments and future perspective will be discussed.

Brief Biography:

Xiaoyi Jiang studied Computer Science at Peking University and received his PhD and Venia Docendi (Habilitation) degree in Computer Science from University of Bern, Switzerland. He was an associate professor at Technical University of Berlin, Germany. Since 2002 he is a full professor at University of Münster, Germany, and currently the Dean of the Faculty of Mathematics and Computer Science. He is Editor-in-Chief of International Journal of Pattern Recognition and Artificial Intelligence. In addition, he also serves on the advisory board and editorial board of several other journals including IEEE Transactions on Medical Imaging and International Journal of Neural Systems. His research interests include image analysis, pattern recognition, and machine learning. Prof. Jiang is a Fellow of IAPR (International Association for Pattern Recognition) and senior member of IEEE.