

REFEREE BIOGRAPHIES – FLL INDIANA CHAMPIONSHIP TOURNAMENT

Indiana State FLL Co-Head Referee

Don Mueller, IPFW, Associate Professor of Mechanical Engineer
B.S., M.S., Ph.D. Engineering, University of Missouri Rolla

Professional Interests: Thermal sciences, Machine design, Numerical methods. Don has served as a referee since the State Tournament began in 2000 and has been Co-Head Referee for three years.

Indiana State FLL Co-Head Referee

Shane Pickett, Director of Operations, Science Central
B.S., Chemical Engineering, Rose-Hulman Institute of Technology

Shane oversees the operations of Science Central, including Visitor Services and Educational Programs that are offered to students, teachers and all general visitors, including science camps, teacher workshops, demonstrations, labs, and the science exhibits. Shane also plays many roles including the computer and network administrator, volunteer coordinator, special projects managers, and all other "duties as assigned." In the past, he has also managed youth programs for Science Central and at the Boys and Girls Clubs of Fort Wayne. Shane is also a member of the Executive Committee of the Indiana Future City Competition. Shane has been Head Referee for four years.

Barry Dupen, IPFW Assistant Professor on Mechanical Engineering Technology

M.S. and Ph.D. Metallurgy, University of Connecticut
B.S. Mechanical Engineering, University of Connecticut

Barry has worked for a variety of companies that manufacture automotive filters, automotive axles, trucks and buses, antique parts for Model A Fords, and gold-based dental alloys. He has taught Mechanical Engineering Technology at IPFW since 2003. This is Barry's third year as referee.

Yanfei Liu, IPFW Assistant Professor of Electrical and Computer Engineering

B.E. Shandong Institute of Architecture and Engineering, Jinan, China, 1996
M.E. Institute of Automation, Chinese Academy of Sciences, Beijing, China, 1999
Ph.D. Clemson University, Clemson, South Carolina, 2004

Yanfei's research and teaching interests are in robotics, dynamic manipulation, computer vision and image processing. Yanfei teaches the VEX Robotic Summer Exploration Camp for high school students at IPFW. This is her second year as a referee.

Oliver Reelsen, Transwork Inc.

B.S. Biology
M.S. Microbiology
M.S. Anatomy & Physiology

Oliver has worked with computers since the position he held at NASA. He is a certified UNIX admin and currently works with computers at Transworks. His interest is in artificial intelligence, writing intelligent scripts to recover from trouble situations in a UNIX admin world. This is Oliver's third year as a FLL referee.

Jamie Smith, IPFW Assistant Professor of Military Science

B.S. Environmental Science, U.S. Military Academy, West Point

Captain Smith currently serves as Assistant Professor of Military Science at IPFW in the new ROTC program. The ROTC program is under the College of Engineering, Technology, and Computer Science. She was on the track team at the U.S. Military Academy and served on active duty from 2001-2006. She became an instructor at IPFW in fall 2007.

Doug Tanner, Director of Application Development, Agri Stats, Inc.
B.S., Electrical Engineering, Rose-Hulman Institute of Technology

Doug has been active all aspects of computer technology from software development, hardware design, networking and robotics for the last 30 years. He has served as a volunteer to Science Central for the last nine years aiding them with their network and computer needs. This is Doug's fifth year as a FLL referee.

Jiaxin Zhao, IPFW Assistant Professor Mechanical Engineering, IPFW
B.S. University of Science and Technology, China
M.S. University of Missouri-Rolla
Ph.D. Purdue University, West Lafayette

Jiaxin's research and teaching interests are tribology, machine design, solid mechanics and numerical methods including finite elements and parallel computing. This is Jiaxin's sixth year as referee.