

### **Speaker Information**

**Sam S. Han., Esq., Ph.D.** is an Assistant Professor of Law at the University of Dayton School of Law. Sam Han joined the faculty in 2008 to teach in the areas of patent law and intellectual property law. “He will be a great resource, particularly for those of our students with backgrounds in the hard sciences and engineering as they learn to be the next generation of patent law professionals,” says PILTD Director Kelly Henrici.

Before he entered law school, Professor Han earned a Ph.D. in Biomedical Engineering from Worcester Polytechnic Institute. “The competition was fierce and I wanted to distinguish myself, so that’s why I went to law school,” he said. Professor Han earned his J.D. cum laude from Georgia State University where he participated in Moot Court and was a semi-finalist in the Southeast Regional Competition. He also founded the Intellectual Property Board at Georgia State and externed with the Honorable Marvin Shoob, U.S. District Court for the Northern District of Georgia, and the Honorable Wendy L. Shoob, Fulton County Superior Court.

After gaining experience as an associate at Thomas, Kayden, Horstemeyer & Risley, LLP and McGuire Woods LLP—both firms in Atlanta—Professor Han became the litigation counsel for Furukawa Electric North America, (the parent company of OFS Fitel, LLC, which was the optical fiber division for AT&T/Lucent). Professor Han says the job was a great opportunity, but that he “always wanted to be a professor.”

**Robert MacWright, Esq., Ph.D.** is a partner in the Washington, DC office of Frommer Lawrence & Haug LLP. Dr. MacWright is a registered patent attorney, and his practice focuses on technology licensing and other intellectual property-related transactions, and on the preparation, prosecution and litigation of patents in the biotechnology and pharmaceutical fields. He is widely recognized for his experience, innovation and leadership in the field of academic technology transfer.

Prior to joining Frommer Lawrence & Haug LLP, Dr. MacWright was Executive Director, CEO and Chief Patent Counsel of the University of Virginia Patent Foundation, which protects and licenses inventions made in the course of research at the University of Virginia. Under his leadership, the Patent Foundation came to manage about 180 new inventions and complete about 60 licenses and other agreements with industry each year. He is a strong supporter of faculty start-up companies, and created Spinner Technologies Inc. as a subsidiary of the Patent Foundation to encourage and support young companies based on University of Virginia inventions. He also led the creation and development of the Jefferson Corner Group, a local angel investment fund. In addition, Dr. MacWright was adjunct professor at the University of Virginia School of Law, where he created and led the UVA Patent and Licensing Law Clinic to give UVA law students first-hand experience with patents and licensing. In 2004, Dr. MacWright and the staff of the Patent Foundation published a comprehensive Operating Manual that has provided insight and guidance to academic technology transfer offices around the world.

Dr. MacWright is a frequent speaker at meetings of the Association of University Technology Managers (AUTM), the Licensing Executives Society (AUTM) and the Association of European Science and Technology Transfer Professionals (ASTP), often delving into the more complex, unusual and challenging aspects of technology licensing and patent litigation, and into the impact of emerging case law, statutes and regulations on licensing strategies and tactics.

**Thomas Irving, Esq.** is a partner in the Washington, DC office of Finnegan, Henderson, Farabow, Garrett & Dunner, LLP. Tom Irving has some 35 years of experience in the field of intellectual property law. His practice includes due diligence, patent prosecution, reissue and reexamination, patent interferences, and counseling, including prelitigation, Orange Book listings of patents covering FDA-approved drugs, and infringement and validity analysis in the chemical fields. He has been involved as lead counsel in numerous patent interferences.

Mr. Irving has served for more than 10 years as principal teacher of Kayton's PRG Chemical Patent Practice course, a comprehensive U.S. chemical patent law course taught three times a year, and co-author of the multi-volume treatise used in the course. He also originated PRG's Orange Book and Due Diligence courses and still teaches the Orange Book course. Mr. Irving also presents analyses of Federal Circuit patent decisions for many groups, including the Ohio, Michigan, and Houston IP Institutes and the North Carolina, South and North Carolina, and the combined combined Oregon and Washington IP bars.

Mr. Irving has lectured at several law schools including Howard University School of Law, Washington College of Law at the American University, University of Virginia School of Law, Emory University School of Law, the University of Georgia School of Law, Ave Maria School of Law, Brigham Young University School of Law, the University of Utah School of Law, the University of Maine, and Dayton University School of Law. Mr. Irving has been an invited speaker at the annual meeting of the Intellectual Property Owners Association (IPO), the Association of Corporate Patent Counsel (ACPC), and at national meetings of AIPLA. Mr. Irving has twice served as a motivational speaker for Lead America, Inc. He also serves as a lecturer to the Chemistry Examination Department of the Patent Office of the State Intellectual Property Office (SIPO) of the People's Republic of China.

**Esther Kepplinger, Esq.** is Wilson Sonsini Goodrich & Rosati's chief patent counselor. Her responsibilities include serving as the firm's liaison to the U.S. Patent and Trademark Office (PTO), ensuring that all of its patent filings are conducted in the most efficient and defensible manner, and enhancing the firm's *inter partes* PTO practice. Additionally, she provides strategic patent counseling and serves as an expert witness for U.S. patent examination procedures.

Prior to joining the firm in 2005, Esther served as deputy commissioner for patent operations in the PTO in Alexandria, Virginia, for five years. As deputy commissioner, she oversaw the nation's patent-examination process, with all the patent examiners in the United States reporting to her. Esther managed a budget of \$700 million and was responsible for the day-to-day operations of the country's seven patent technology centers, including about 4,500 people. During her tenure, patent applications increased dramatically and, in 2004, the PTO received more than 350,000 patent applications and granted around 170,000 patents. Esther also played a pivotal role in establishing the policies and strategic direction of the patent examining corps, helping to implement the PTO's goals for improving quality and efficiency of service. With the PTO since 1973, Esther has held a variety of other positions, including patent examiner and supervisor for a biotechnology art unit and group director for the chemical and materials engineering group. While at the PTO, Esther received a number of awards, including the Presidential Rank Award in 2002 and the Department of Commerce Gold Medal in 2004.

**MaryBeth Privitera** is a co-developer and faculty in the Medical Device Innovation and Entrepreneurship Program at the University of Cincinnati. She is an assistant professor of Biomedical Engineering and instructor of Industrial Design. Privitera is currently a consultant for the medical device industry and is vice president of education for the Industrial Designers Society of America. She is a member of the Association for the Advancement of Medical Instrumentation Human Factors Committee, American Society of Engineering Educators, Product Development and Management Association, and Design Management Institute. She has been associated with more than 30 product releases, patents and has published and lectured on a variety of topics including collaborative design, surgical techniques, and human factors. Privitera received her bachelor's in ID from the University of Cincinnati in 1985 and master's of design in 1995. Current research/design efforts include human factors in interventional therapies modeling human-device interactions as they translate into clinical actions.

**Joseph E. Topmiller, Esq.** is currently Deputy Chief Patent Counsel at Zimmer, Inc. in Warsaw, IN. He has a Bachelor of Science in Mechanical Engineering from the University of Dayton and a Master of Science in Mechanical Engineering from Duke University. After finishing law school, he had a one year clerkship with the Honorable Arthur J. Gajarsa of the United States Court of Appeals for the Federal Circuit in Washington, DC. After his clerkship, he practiced law in the Washington DC office of Covington and Burling where his practice focused on intellectual property litigation and patent prosecution. Since 2004, he has been in-house counsel at Zimmer focusing on patent law.

**Dan Kincaid** is an Executive in Residence at BIOSTART, Cincinnati's life science start-up center. After joining the organization in the fall of 2009, he helped launch BIOSTART's new healthcare services initiative to attract information technology driven healthcare companies to BIOSTART.

Dan is an active member of the Queen City Angels. As with all QCA members, Dan participates in evaluating companies for potential investment and mentoring entrepreneurs in the community.

Prior to joining BioStart and the Queen City Angels, Dan was a principal at the business consulting firm, Taylor Kincaid LLC. Taylor Kincaid is a specialized consulting firm focusing on the pharmaceutical and managed care industries. Before founding Taylor Kincaid, he served as a vice president of Pharmacy Services for First Health Services Corporation where he oversaw the development and implementation of cost containment initiatives for the company's clients. Prior to First Health Services, he co-founded and operated Provider Synergies, LLC, a pharmaceutical management company that develops cost containment strategies for government agencies. Under his leadership, Provider Synergies developed process-driven service offerings that generated more than \$2 billion in savings for state Medicaid programs during a five year period while delivering significant returns for the company's investors.

He began his career at Anthem Blue Cross and Blue Shield where he was responsible for a wide variety of issues related to healthcare provider contracting, quality of care initiatives and pharmaceutical cost management. Dan earned a bachelor's degree from Indiana University and a

Juris Doctorate from the University of Louisville School of Law. Following law school, he served as the assistant corporate counsel at Anthem Blue Cross Blue Shield.

**Sam Privitera** is the VP of Research, Engineering, IP and Business Development at Atricure where he is responsible for all engineering efforts from concept development through sustaining engineering. He coordinates the company development portfolio, front end research, five development teams, sustaining engineering support to production, pre-clinical testing, prototype development, and equipment fabrication. Prior to joining Atricure in 2003, Sam was a group director in R&D at Ethicon Endo-Surgery for 13 years and a plastics engineer at Fisher Price.

**Elsa ChiAbruzzo** is the President of the boutique regulatory consulting firm, ARAC. Elsa has a 20+ years successful regulatory, quality, clinical, engineering, and project management track record with innovative medical devices and disruptive biotechnologies such as tissue heart valves, embolic agents, stents, surgical adhesives, biomaterials, imaging/diagnostic equipment, and active implantables. As head of regulatory and clinical affairs, she designed, developed and managed domestic and international clinical trials, including Bayesian adaptive designs and break-through first-in-man studies; and global regulatory strategies resulting in commercialization of products in the USA and worldwide. Elsa has worked at companies such as Baxter, Cordis Johnson and Johnson, CryoLife, Percutaneous Valve Technologies (acquired by Edwards Life-Sciences), AtriCure, InnerPulse, and MerlinMD. Currently, her international clients, primarily startups, technology incubators, and emerging growth companies, span a variety of medical disciplines. Elsa has a B.S. in engineering from the University of Miami (Coral Gables, FL) and is regulatory affairs certified (RAC) and a Regulatory Affairs Professional Society (RAPS) Fellow.

**Kevin E. Noonan, Esq., Ph.D.** is a partner in the Chicago, IL office of McDonnell Boehnen Hulbert & Berghoff, LLP. Dr. Noonan has extensive experience in biotechnology and the chemical arts. Dr. Noonan brings more than 10 years of experience as a molecular biologist working on high-technology problems to his legal work. He has wide experience in all aspects of patent prosecution, interference, litigation, and client counseling on validity, infringement, and patenting strategy matters. He represents pharmaceutical and biotechnology companies both large and small, and he is particularly experienced in representing university clients in both patent prosecution and licensing to outside investors.