



**Dr. Thomas Colacot, Johnson Matthey, USA**

**Title: How the Structure of the Catalyst is Related to its Activity in Organic Synthesis?**

**Dr. Thomas J. Colacot** obtained his Ph.D. in Chemistry from IIT Madras. Following his post-doctoral studies in the US, Dr. Colacot went on to pursue an education in management, acquiring an MBA from Pennsylvania State University in 2005, while working at Johnson Matthey. His recently edited book: *New Trends in Cross Coupling: Theory and Applications* by the Royal Society of Chemistry is widely used in academia and industry. Through his work, Dr. Colacot is credited with being a leading influence in developing exceptional catalytic systems for the advancement of metal-catalyzed synthetic organic chemistry for real world applications with over 100 publications and patents. Dr. Colacot's contributions to the field have resulted in many awards and accolades, amongst them the recent 2017 Catalysis Club of Philadelphia award for the outstanding contributions in catalysis, the prestigious IIT Madras 2016 Distinguished Alumnus Award for Technology Innovations and Chemical Research Society of India (2016 CRSI) Medal for outstanding contributions in Organometallics and Homogeneous Catalysis. He is the first Indian to be awarded the American Chemical Society (ACS) National Award in Industrial Chemistry in 2015. He also received the 2015 IPMI Henry Alfred Award (2015) from the International Precious Metal Institute, sponsored by the BASF. In 2014 he received the Indian American Kerala Culture and Civic Center Award for his outstanding contributions in Applied Sciences. In addition, he received Royal Society of Chemistry 2012 Applied Catalysis Award and Medal. He is also a Fellow of the Royal Society of Chemistry, UK.