Dr. Kambhampati is an Associate Professor in the Department of Chemistry at McGill University and is an internationally recognized expert on semiconductor quantum dots and ultrafast laser spectroscopy. The quality of the research is evidenced by the number of departmental colloquia delivered at leading institutions. Representative departments in which he has lectured include, MIT, Princeton, Columbia, Pennsylvania, Toronto, U of Chicago, Northwestern, Illinois, Wisconsin, Michigan, Texas, Washington, UCLA, USC. The quality of this work is also evidenced by the work generating five invited review articles in four years.

As evidence of impact in technology transfer, Kambhampati has recently been awarded the McGill University Fessenden Professorship as well as the Fessenden Prize (2012) for research innovation towards commercialization activities. Kambhampati has one Provisional US Patent, with four McGill Reports of Invention. Kambhampati has done collaborative R&D work with several corporations in Europe and North America: Fastlite (France), NN-Labs (USA), NC Vision (USA). As evidence of the quality of the student training and Highly Qualified Personnel generation, every one of his first five Ph.D. students has received fellowship support (NSERC, FQRNT, McGill) based upon their work while in the group. His first Ph.D. student was awarded best dissertation in the Department, Faculty, and University, followed by an NSERC PDF. Two of his PDFs are now Assistant Professors and one is a McGill Instructor. He has recently sent four PHD students to high profile PDF positions at Toronto, MIT, ETH Zurich, Fritz Haber Institut. One of his PHD students has already started up a photonics company in Canada.

In addition academic science, Kambhampati helped start up a fiber optic company from 2001 – 2003. In this time, Kambhampati developed both engineering solutions as well as market strategies to expand the customer base of the startup. At McGill, his research has had strong ties to industry and to technology transfer. He has patents awarded and pending on development of quantum dot lasers, and also in the development of femtosecond spectroscopy instrumentation.