

11/20/2017

To whom it may concern

Ryerson University is pleased to support the potential collaboration between Dr. Krishna Kumar, Professor and Director of Space Systems Dynamics and Control Laboratory in the Department of Aerospace Engineering at Ryerson and Mr. Dave D'Silva of Quantum Fusion. This is a partnership that brings together a leading Ontario academic researcher and industry, to share resources, make meaningful discoveries, transfer knowledge and technologies, and generally advance the area of power cells.

Ryerson University, located in the heart of downtown Toronto, is a distinctly urban university with a focus on innovation. Known for our entrepreneurial emphasis, Ryerson is guided by a bold Academic Plan, an ambitious research agenda, and a Master Plan to revitalize the campus and surrounding community. This notion of city-building is deeply embedded within Ryerson's culture and innervates its strategic research priorities, from Energy and Sustainability to Technological and Industrial Innovation. Urban community microgrids, while fitting prominently within the Energy and Sustainability strategic research theme, also promise to be critical components of the modern, sustainable city, and Ryerson is therefore committed to exploring and advancing energy research, such as this exciting initiative.

Dr. Kumar is a capable leader who has distinguished himself, not only for his contributions to power systems and technologies research and development, but also by his ability to bring together academic researchers, industry, and government stakeholders to advance leading-edge energy sector research. His research interests include space systems design, miniature wireless systems, micro/nano-sensors and actuators (including sensor measurement, sensor fusion, state estimation, fault diagnosis, fault prognosis, and health monitoring), system dynamics and control, and intelligent control. He has been actively involved in this field for more than 20 years and received several grants totalling more than 2 million dollars in collaborations with federal and provincial government agencies, space organizations, aerospace and high-tech industries in Canada and abroad. His research has resulted in more than 190 publications.

We fully support Dr. Kumar's research and are enthusiastic about the potential collaboration with Mr. Dave D'Silva and Quantum Fusion.

Yours Truly,



Jennifer MacInnis  
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