



CANADIAN AERONAUTICS AND SPACE INSTITUTE
Toronto Branch

2019 Annual Dinner Meeting & Awards Night

Dr. Hugh H. T. Liu

Professor, University of Toronto Institute for Aerospace Studies

Drone Research and Development at UTIAS (with Fire and Water Applications)



Drone Formation Flight (Photo: UTIAS)

Unmanned aerial systems (UAS) hold great promise for applications as diverse as natural resource monitoring, infrastructure inspection (pipelines, railways), agriculture, mineral exploration, journalism, and search & rescue. Recent research and development work at the “Flight Systems and Control” research group of UTIAS in the area of UAS navigation and control will be presented. Two case studies of commercial applications are illustrated: wildfire monitoring and water inspection. The focus is on the special challenges of UAS navigation and control technology, and the proposed enabling solutions to improve performance and increase the level of autonomy in operation.

In addition, a brief introduction will be given to the U of T Centre for Aerial Robotics Research and Education (CARRE).

Dr. Hugh Liu is a Professor at the U of T Institute for Aerospace Studies, and Director of CARRE.

The evening will begin with refreshments and the opportunity to socialize and network, followed by a buffet dinner. The CASI Toronto Branch Student Awards will also be presented, recognizing the top graduating students in the aerospace programs at Ryerson University, Seneca College, U of T, and York University.

Date: Saturday, May 4, 2019

Time: 6:00 p.m. Refreshments & Networking
7:00 p.m. Buffet Dinner

Place: Holiday Inn Toronto Yorkdale
3450 Dufferin St, Toronto M6A 2V1
(just South of Hwy 401)

Price: \$60 per person (CASI Member)
\$50 per person (CASI Student Member)
\$70 per person (Non-member)

Tickets must be reserved through the CASI website, with online payment.

Please visit www.casi.ca/toronto-branch, or [Click Here to Register](#)

REGISTRATION DEADLINE IS APRIL 29.

Eligible CASI members will receive a refund at the door for CASI Knots earned during the year.

For more information, please contact:
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