



## The Combustion Institute

5001 Baum Boulevard, Suite 644

Pittsburgh, Pennsylvania 15213-1851 USA

Ph: (412) 687-1366

Office@CombustionInstitute.org

Fax: (412) 687-0340

CombustionInstitute.org

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## Associate Professor

The University of Toronto Institute for Aerospace Studies (UTIAS) is seeking applications for a tenure stream position at the level of Associate Professor in aerospace engineering. The appointment is expected to begin on July 1, 2018, or soon thereafter.

We are interested in applicants whose primary area of research is related to aircraft gas turbine propulsion (e.g. aerothermodynamics of turbomachinery, air breathing propulsion systems, heat transfer and fluid mechanics of gas turbine engines), especially research related to overall propulsion efficiency improvement and emissions reduction.

## Requirements

Applicants must have earned a PhD in a related field, typically from an aerospace or mechanical engineering department. They must also have a strong commitment to both teaching and research. Our new Advanced Combustion Energy Research facility, which is one of the most advanced optically accessible high-pressure combustion facilities worldwide, is about to be completed with capabilities of 25 atm pressure and 1 kg/s flow rate of air at 800 K. The successful applicant is expected to be one of the primary users of this facility. Further, the successful applicant will have an established reputation in research associated with aircraft gas turbine propulsion, will be expected to lead an independent, externally funded research program of international calibre, supervise graduate students, teach undergraduate and postgraduate courses, and engage in university service activities. The selection will be based primarily on the applicant's excellence in research and teaching. Excellence in research is evidenced by publications considered of international quality, the submitted statement of research interests, objectives and accomplishments, and other documents submitted for review. Individuals that have previously published in the top journals of international standing are preferred. Participation in top conferences, presenting research at other highly ranked schools and other noteworthy activities related to aircraft gas turbine propulsion that contribute to the visibility and prominence of the discipline are assets. Additionally, candidates should possess the capacity to teach in our undergraduate and graduate programs. Evidence of excellence in teaching should be demonstrated in the teaching statement and record of prior teaching experience. Salary is commensurate with qualifications and experience.

For information about UTIAS, please see our web site ([www.utias.utoronto.ca](http://www.utias.utoronto.ca)).

## How to Apply

All applications must be submitted online by clicking the "Apply Online" button below. All application materials should be submitted online. Applications should be addressed to Professor C.J. Damaren, Director, University of Toronto Institute for Aerospace Studies, and should include: (i) a detailed curriculum vitae, (ii) a concise statement (3 pages maximum) of teaching and research interests, objectives and accomplishments, and (iii) examples of

## Combustion Job Opportunity

publications and material relevant to teaching experience. Applicants should also ask three referees to send a letter directly to Professor Damaren at;

University of Toronto Institute for Aerospace Studies  
Facility of Applied Science & Engineering  
4925 Dufferin Street  
Toronto, ON M3H 5T6  
Tel: 416-667-7700  
Fax: 416-667-7799  
[www.utias.utoronto.ca](http://www.utias.utoronto.ca)

[FacultySearch@utias.utoronto.ca](mailto:FacultySearch@utias.utoronto.ca), commenting on the applicant's experience and ability in teaching and research and with the applicant's name "+ reference letter" in the subject line.

Submission guidelines can be found at: <http://uoft.me/how-to-apply>. We recommend combining attached documents into one or two files in PDF/MS Word format.

Please direct any questions to Joan DaCosta at [dacosta@utias.utoronto.ca](mailto:dacosta@utias.utoronto.ca).

Review of applications will begin on December 1, 2017.

The University of Toronto is located in Toronto, a large multicultural city offering many cultural, professional, and research opportunities. The student body at the University reflects the diversity of the city. The breadth of the University provides numerous opportunities for interdisciplinary collaborative research.

The University of Toronto is strongly committed to diversity within its community. The University especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to further diversification of ideas.

All qualified candidates are invited to apply; however, Canadians and permanent residents will be given priority.

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