



# International Symposium on Automated Composites Manufacturing

## Organizing committee:

- Suong V. Hoa, Concordia University, Canada, General chair
- Farjad Shadmehri, Concordia University, Technical program chair
- Tsz Chen Kwok, Concordia University
- Heng Wang, Concordia Center for Composites

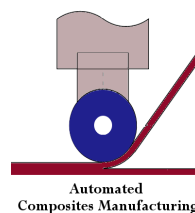
## Advisory committee:

- Mehdi Hojjati, Concordia University, Canada
- Wen-feng Xie, Concordia University, Canada
- Jihua Chen, National Research Council of Canada
- Ali Yousefpour, National Research Council of Canada
- Larry Lessard, McGill University, Canada
- Sayata Ghose, The Boeing company, USA
- Dave Hauber, Automated Dynamics, USA
- Kevin Potter, University of Bristol, UK
- K. Chauncey Wu, NASA Langley Research Center, USA
- Ralph Schledjewski, University of Unileoben, Austria
- Arnt Offringa, GKN Fokker Aerostructures, the Netherlands
- Sonell Shroff, TU Delft, Netherlands
- Pierre Beaulieu, Bell Flight Canada
- Jean-Evrard Brunel, Bombardier Aerospace.
- Axel Von Hehl, Leibniz Institute for Materials Engineering- IWT University of Bremen, Germany
- Louis Laberge Lebel, Ecole Polytechnique Montreal, Canada
- Claude Baril, Stelia Aerospace, Canada

## Preliminary list of key note speakers

- Trevor S. Angell  
Spirit AeroSystems, Inc., USA
- Cyrille Collart  
Airbus, France

## Sponsors



## Contact

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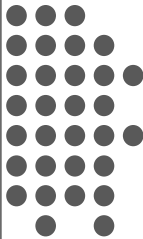
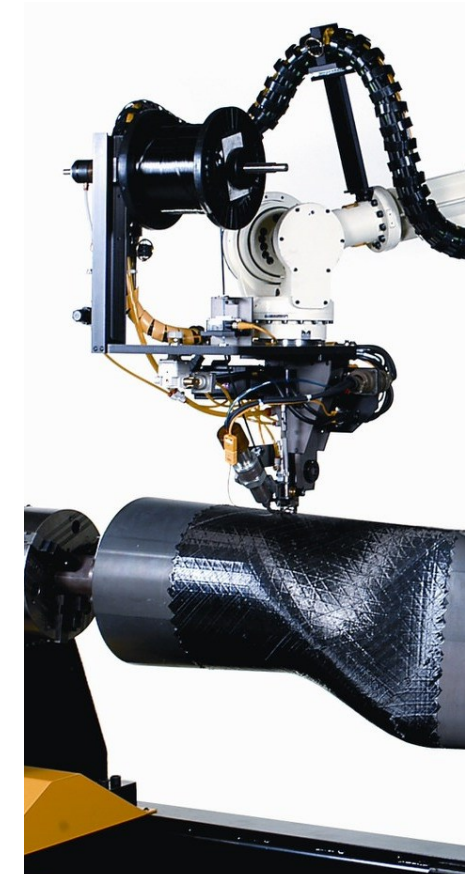
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<https://www.concordia.ca/research/composites/composite-symposium.html>

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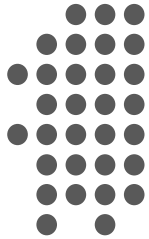
*April 25 -26, 2019*

*Montreal, Canada*



CONCORDIA CENTRE FOR COMPOSITES  
CENTRE DES COMPOSITES CONCORDIA

# Fourth International Symposium on Automated Composites Manufacturing



The first three International Symposia on Automated Composites Manufacturing were held in Montreal in April 2013, 2015 and 2017. These events were very successful for the composite manufacturing community with participation from many hundreds people from many countries. The symposia addressed hot topics in the area of advanced composites manufacturing using automated technologies. They brought together both academia and industrial practitioners and aimed to bridge the gap between academic research and industrial applications.

At the request of many, and following the trend toward increased use of automated manufacturing of composite structures, the Fourth International Symposium on Automated Composites Manufacturing (ACM4) is being organized to be held in Montreal April 25-26, 2019.

## Objective and topics

The objective of this ACM4 is to provide a forum for presentation and discussion on the latest development in automated composites. The topics include but are not limited to the following:

- Automated manufacturing of thermoset and thermoplastic composite structures
- Automated dry fiber placement
- Automated manufacturing of composite structures with complex shape
- Thermo stamping
- 4D printing of composite structures
- Fiber steering and variable stiffness composite structures
- Advances in materials and equipment suited for automation
- Process development and optimization
- Mechanical performance of fiber placed composite structures
- Quality assurance
- Virtual manufacturing environments

A number of specialists with extensive experience in the field will be invited to present lectures.

## Call for Papers

Prospective authors are invited to submit an abstract of 250 - 300 words in English with the corresponding author's email on or before September 30, 2018 to [autocomposites@encs.concordia.ca](mailto:autocomposites@encs.concordia.ca) . Abstract will be reviewed and notice of accepted abstracts will be sent by email before October 30, 2018.

## Publication of Accepted Abstracts

Accepted abstracts will be orally presented during the symposium and will be published in the symposium proceedings.

## Publication of full length papers

Destech Publications has agreed to publish hard copy proceedings for papers presented at the workshop. Full length papers (from 6 to 8 pages) of accepted papers should be submitted by January 15, 2019.

## Dates

Abstract submission deadline: September 30, 2018

Notice of acceptance deadline: October 30, 2018

Preliminary program: December 15, 2018

Full length paper submission: January 15, 2019

Early registration deadline: January 31, 2019



*April 25 -26, 2019  
Montreal, Quebec  
Canada*