



**apply innovation**



## Technology Workshop: Advanced Manufacturing

**Wednesday February 4th 2015 from  
8 :30 AM to 4 :00 PM**

**Centre Technologique en Aérospatiale - CTA  
5555 Place de la Savane, Saint-Hubert, QC**

**Interactive workshop to demonstrate new technologies**

Renishaw Canada Limited is proud to invite you to this technology workshop on advanced manufacturing

In collaboration with the Aerospace Technology Center, Metrology Software Product and Avantage Mécanique Inc., these workshops will demonstrate the most recent software and manufacturing equipment to improve cycle time and process quality

The workshop will be held in two sessions, one in the morning and the one in the afternoon.

**Please confirm your presence before January 30th 2015 at**

**[workshop2015@renishaw.com](mailto:workshop2015@renishaw.com)**

**Free participation**

**Free parking with this invite, or, 5\$ in cash only.**

Wednesday February  
4th 2015, 8:30 or 12:00  
5555 Place de la Savane  
à St-Hubert

Please confirm morning  
or afternoon group

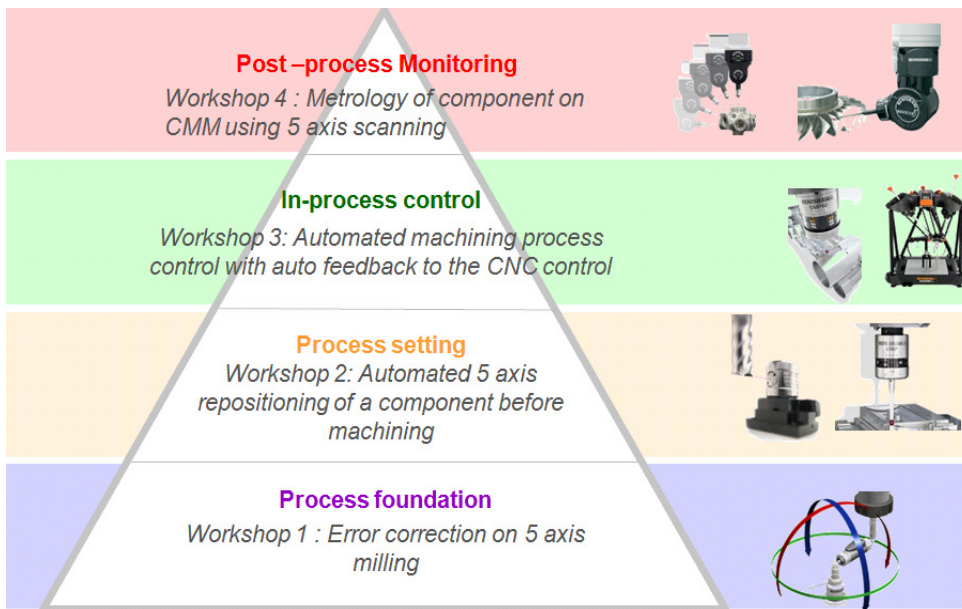
Interactive workshop,  
live demonstrations  
directly on  
manufacturing  
equipment

Technical specialist on-  
site

Come and discuss your  
application or your  
projects

For more information,  
contact :

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## The Productive Process Pyramid™

### Workshop description

#### **Workshop 1 : Error correction for 5 axis milling**

Using calibration equipment to maintain accuracy of 5 axis machining

Presented by : *Renishaw (Canada) Limited and the CTA*

#### **Workshop 2: Fixtureless, automated 5 axis repositioning of a component before machining**

Integration of NC-PerfectPart to the CAM software and post-processor to help part location before machining

Presented by : *Avantage Mécanique Inc. and Metrology Software Product*

#### **Workshop 3 : Automated machining process control with auto feedback to the CNC control**

Manufacturing cell consisting of a Millturn, a manipulating robot and a flexible Equator™ gauge.

Presented by : *Renishaw (Canada) Limited and the CTA*

#### **Workshop 4 : Inspection of component on CMM using 5 axis scanning**

Using REVO® 5 axis scanning head and MODUS™ software to minimize cost of programming and part inspection

Presented by : *Renishaw (Canada) Limited and the CTA*

### Programme

**8:30 AM**

**Registration -Welcome remarks**

Félix-Étienne Delorme,  
Renishaw (Canada) Limited

**9:00 – 11:30 AM**

**Workshop visit in small group, 30 minutes each**

**11:30 AM**

**General discussion - Lunch**

**12h00**

**Registration for afternoon participants - Lunch**

**12h30**

**Welcome remarks**

**13h00 – 15h30**

**Workshop visit in small group, 30 minutes each**

**15h30**

**General discussion –end of the event**