

## Mission Automatisée de Maintenance en Orbite des Satellites (AMOOS)

International Space University (ISU) – Space Studies Program (SSP) 2014

# Invitation Conférence

Le LASSENA est heureux de vous convier à une conférence internationale dans le cadre du projet AMOOS de l'ISU SSP 2014

Vendredi le 20 juin 2014

Salle A-1150 (Amphithéâtre)

De 16h00 à 17h00

*En anglais*

## [Charladean \(Deana\) Smith, Canadian Space Agency](#)

### Robotic Refueling Mission (RRM) Overview

The Robotic Refueling Mission (RRM) is a technology demonstration project on the International Space Station (ISS) whose primary objective is to prove the tools, technologies and techniques required to refuel and repair satellites in orbit. The conference will provide an overview of RRM. It will outline what is involved, provide a summary of the operations accomplished to date, highlight the key players involved, and discuss some of the lessons learned.

**Charladean (Deana) Smith** is an International Space Station (ISS) Robotics Flight Controller at the Canadian Space Agency (CSA) supporting real-time human spaceflight operations. Over the past 10 years, Ms. Smith has supported 9 Space Shuttle missions to the ISS, including the Solar Array repair using Canadarm II and the OBSS, and numerous ISS Stage robotics operations, including the free-flyer capture with Canadarm II of the Japanese HTV cargo vehicles. For the past 4 years, Ms. Smith has been the lead mission designer for the RRM project and has supported numerous operations using the Special Purpose Dexterous Manipulator (SPDM) two-armed robot, Dextre.



*L'École de technologie supérieure (ÉTS) et HEC Montréal accueillent la 27<sup>e</sup> édition du programme d'études spatiales (SSP14) de l'International Space University (ISU) du 9 juin au 8 août 2014.*