

**CRIAQ-CRD Water Erosion Resistant Surface Treatments**  
**Research team meeting – Feb 19<sup>th</sup>, 2013 at 9:30 am**  
**Place: Ecole Polytechnique Room: B573**

**Agenda**

Attendees:

**Rolls-Royce:** Pawel Jedrzejowski

**Concordia University:** Mamoun Medraj, Ali Dolatabadi, Dmytro Kevorkov, Mohsen Najafi (PhD student), Wei (Alex) Chen (PhD student), Mohammad Sadegh Mahdipoor (PhD student) and Dina (Madina) Ma (MAsc)

**ETS:** Nelly Kamkar (PhD student)

**Polytechnique:** Jolanta-Ewa Sapiuha, Oleg Zabeida and Ganesh Kamath (Postdoc)

**MDS:** Simon Durham

- 1) Rolls-Royce LIE objectives in 2013 (Pawel - 15 min)
- 2) Ecole Polytechnique  
Superhard nanocomposite coatings (Ganesh – 15 min)
- 3) ETS  
Effects of substrate microstructure and stress (Nelly – 15 min)
- 4) Concordia
  - a. Water impingement modeling (Mohsen – 15 min)
  - b. Multilayer coatings (Alex – 10 min)  
Composite coatings (Alex – 10 min)
  - c. Nitriding (Mohammad – 15 min)
  - d. Burnishing (Madina – 15 min)
- 5) Lunch
- 6) Visit to the laboratories