

## Jean-Christian Lemay

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CONTACT INFORMATION	Département de chimie Université Laval 00422 Pavillon Alexandre Vachon Québec, Québec G1S 2T1 Canada	<i>Phone:</i> (418) 656-2131 ext: 12736 <i>Fax:</i> (418) 656-7916 <i>Email:</i> jean.christian.lemay@gmail.com jean-christian.lemay.1@ulaval.ca
CITIZENSHIP	Canada	
RESEARCH INTERESTS	Physical chemistry, surface science, nanoscience, heterogenous catalysis, molecular electronics	
EDUCATION	<b>Université Laval</b> , Québec, Québec, Canada  M. Sc., Chemistry (In progress) <ul style="list-style-type: none"><li>• Adviser: Professor Peter H. McBreen</li><li>• Area of Study: Surface Chemistry</li><li>• Bourse Paul-Antoine-Giguère</li></ul> <b>McGill University</b> , Montréal, Québec, Canada  B. Sc. Honours, Joint Honours in Mathematics and Physics & Minor in German Language, May 2011 <ul style="list-style-type: none"><li>• Bourse d'études Hydro-Québec en sciences</li><li>• Honours Research Thesis: <i>Photodesorption of Gases on Graphene and Influence on Electrical Properties</i></li></ul> <b>Cégep de Lévis-Lauzon</b> , Lévis, Québec, Canada  Diplôme d'études collégiales, Sciences de la nature, May 2007 <ul style="list-style-type: none"><li>• Governor General's Academic Award</li></ul>	
PUBLICATIONS	G. Goubert, Demers-Carpentier V., Masini F., Dong Y., <b>Lemay J.-C.</b> , and P. H. McBreen, <i>Weak Interactions in the Assembly of Strongly Chemisorbed Molecules</i> , ChemComm, 2011	
CONFERENCE PRESENTATIONS	<b>J.-C. Lemay</b> , Demers-Carpentier V., Goubert G. and P.H. McBreen, <i>Induction of Chirality at Surfaces</i> Poster presented at the: <ul style="list-style-type: none"><li>• <i>Canadian Undergraduate Physics Conference, Dalhousie University, 2010</i></li><li>• <i>Undergraduate Research Conference, McGill University, 2010</i></li><li>• <i>94th Canadian Chemistry Conference and Exhibition, Montréal, Québec, 2011, First Prize, Surface Science Division</i></li></ul>	
EXTRACURRICULAR ACTIVITIES	<ul style="list-style-type: none"><li>• Member of the CAP and the CIC, 2011.</li><li>• Shotokan Karate, 1999-2011<ul style="list-style-type: none"><li>- Training, teaching and competing at the provincial and national level</li></ul></li></ul>	

TECHNICAL SKILLS

- **MATLAB** experience: linear algebra, automatisaton and data acquisition experience

ENGINEERING  
EXPERTISE

Knowledge and utilisation of UHV systems and the following surface analysis tools :

- Residual Gas Analyzer (RGA)
- Scanning tunneling microscopy (STM)