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Catalysis Division

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Our division is a member of the
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and a club of the North American
Catalysis Society (NACS)
www.nacatsoc.org



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Report from the Chair

In this issue of the newsletter of the Catalysis Division of the Chemical Institute of Canada, I would like to draw your attention to few items of possible interest:

The 23rd North American Catalysis Society Meeting was held in Louisville, Kentucky from June 2-7, 2013. Canada had a good participation in the meeting with the presentation of about 25 papers and 6 Canadian students received Kokes Travel Awards to attend the meeting.

The 63rd Canadian Chemical Engineering Conference will be held in Fredericton, New Brunswick from October 20-23, 2013 with a Symposium on "Catalytic Technologies for Clean Energy and Chemicals Production".

The 25th Biennial ORCS Meeting will be held in Tucson, Arizona from March 2-6, 2014. Travel Grants are available for Students and Postdocs presenting papers. Abstracts are due by September 2, 2013. For further information go to www.orcs.org

Please note that the 23rd Canadian Symposium on Catalysis: Catalysis: the Best of Science and Engineering will be held in Edmonton, Alberta from May 11-14, 2014. Please see below for further information.

Garry Rempel, FRSC, FCIC

Professor G.D. Yadav's Cross-Canada Lecture Tour (CCLT)

Professor Ganapati D. Yadav, Vice-Chancellor of Institute of Chemical Technology (ICT) University, Mumbai toured Universities of British Columbia, Alberta and Saskatchewan from May 12-18, 2013 as part of his CCLT. His seminar was on "Science & Engineering of Pores, Particles and Interfaces: Forays into Development of Clean and Green Processes". His tour attracted from 30 to 40 students and 3-6 faculty members in each location. He met individually with professors, department heads, Deans, Associate VPs and VPs, and University President during his visit and he has raised the awareness of green technologies that he has been developing at ICT University Mumbai. He has also linked these three Universities with ICT Mumbai for sustainable relationships. Professor Yadav had a very successful tour to Eastern Canada from July 8-12, 2013 and visited the University of Toronto, University of Waterloo, York University and Laval University. (A.K. Dalai, G. Rempel)



Professor Aicheng Chen of Lakehead Wins Canadian Catalysis Lectureship Award (CCLA)

Professor Aicheng Chen of Lakehead University won this year's CCLA. Aicheng Chen has made significant contributions to electrocatalysis and photocatalysis. His research group has recently developed novel TiO₂-based nanomaterials with high photocatalytic activity and superb visible light response, which are promising for hydrogen production and the utilization of solar energy. He has also developed a facile approach for the direct growth of Pd-based nanomaterials, showing high capacity for hydrogen storage. The nanoporous Pt-based networks developed by his group possess a high active surface area and exhibit excellent electrocatalytic activity for fuel cell applications and electrochemical sensor development. Most recently, Dr. Chen has developed a novel bi-functional electrode technology, which effectively integrates



electrochemical oxidation and photochemical degradation for water purification. This innovative approach was featured by MIT's Technology Review and was profiled by the Industrial Wastewater Newsletter. His research contributions are making significant impacts toward addressing critical environmental and energy issues that confront both Canada and the world. (J. Hill)

Professor Kevin Smith Continued His Lectures in Eastern Canada

On February 20, Prof. Kevin Smith gave a lecture at CanmetENERGY in Ottawa (R&D centre part of Natural Resources Canada). In the morning, he had the opportunity to discuss with CanmetENERGY research scientists working in biomass conversion and selective catalytic reduction of NO_x emissions, and tour the facilities. In the afternoon, Prof. Smith delivered his CCLA lecture to R&D staff of University of Ottawa and CanmetENERGY. (J. Monnier)



23rd CSC Is On Web Now

The web-site for the 23rd Canadian Symposium on Catalysis (May 11-14, 2014, Edmonton Alberta) was launched (<http://www.23csc.com>). The abstract submission deadline is December 1, 2013. The early registration fee for a full attendee is CA\$450 and for a student is CA\$170. Travel awards for students will be available from the Canadian Catalysis Foundation, according to the organization committee (N. Semagina)

Canadian Graduate Students Win Kokes Award for 23rd NAM

Six Canadian university graduate students won the Kokes Award and were invited for oral presentation at the 23rd North American Catalysis Meeting in Louisville, Kentucky, USA. The winners are Rahman Gholami (University of British Columbia), Fan Lin (University of Toronto), Yuanqing Liu (University of Waterloo), A.S.M. Jahirul I. Mazumder (University of Western Ontario), Mohsen Shakouri (University of Saskatchewan), and Hessam Ziai-Azad (University of Alberta) (H. Wang)

Passing of Alan Sanger

We are sad to know that Alan R. Sanger of University of Alberta passed away on April 26, 2013. Alan was an executive member (member-at-large) of the Canadian Catalysis Division from 1981 to 1986. He was the vice chair and the director of the North American Catalysis Society from 1986 to 1988, and the chair of the Canadian Catalysis Division from 1988 to 1990. Alan was also the chair of the organization committees of the 7th (1980 Edmonton) and the 12th (1992 Banff) Canadian Symposium of Catalysis (CSC) and the program committee member of the 14th of CSC. (J. Monnier)

23rd Canadian Symposium on Catalysis: Catalysis: the Best of Science and Engineering, Edmonton, AB, May 11-14, 2014

Professor Natalia Semagina of University of Alberta is the chair of the 23rd Canadian symposium on Catalysis to be held from May 11 to 14, 2014 at the Westin in Edmonton. Professor Bob Hayes will be the technical chair of the symposium.



**23rd Canadian Symposium on Catalysis, 11-14 May 2014
Edmonton, Alberta**

**23rd CSC-2014
“Catalysis: The Best of Science and Engineering”**

You are welcome to join us in Edmonton for the 23rd Canadian Symposium on Catalysis in May 2014. The Symposium will cover both fundamental and applied aspects of heterogeneous and homogeneous catalysis, including catalytic reactor design, with a special emphasis on the energy and environment sectors.

Travel awards for the students will be available from the Canadian Catalysis Foundation.

Looking forward to seeing you in Alberta,
Technical Program Chair: Robert E. Hayes, University of Alberta
Conference Chair: Natalia Semagina, University of Alberta