

LECTURES at the LEADING EDGE

Chemical Engineering and Applied Chemistry | University of Toronto

2011

October 5, 2011

ANDREI OSTERMAN

Sanford I Burnham Medical Research Institute

Integrated Genomic Reconstruction of Microbial Metabolic and Regulatory Networks

October 12, 2011

WILLIAM REICHERT

Duke University

Autologous, Patient-Derived EPCs for Vascular Graft Endothelialization

October 19, 2011

Irving O. Shoichet Distinguished Lecture

RAKESH JAIN

Harvard Medical School

Delivery of Molecular and Nano-medicine in Tumors

October 26, 2011

PETER TIELEMAN

University of Calgary

Watching Every Atom Move: The Power of Computer Simulations of Biomolecules

November 9, 2011

JOHN WATTS

University of Surrey

The Application of Surface Analysis in Materials Science and Engineering

December 7, 2011

HICHAM FENNIRI

University of Alberta

Self-assembly and Self-organization at the Nanoscale

January 11, 2012

SANJAY KUMAR

University of California, Berkeley

Mechanobiological Control of Tumor and Stem Cell Development: Lessons from the Brain

January 18, 2012

DOUG REEVE

University of Toronto

Engineers Leading Change to Build a Better World - The Case for Leadership Education in Engineering Schools

January 25, 2012

C. DANIEL FRISBIE

University of Minnesota

New Materials and Manufacturing Processes for Printed Electronics

2012

February 1, 2012

JOY ROMERO

Canadian Natural Resources Limited

Innovation in Oil Sands Processing to Decrease Environmental Footprint

February 15, 2012

TIM SWAGER

Massachusetts Institute of Technology

Nanoelectronics for Chemical and Biological Sensing

February 29, 2012

ROLAND CLIFT

Centre for Environmental Strategy (CES)

Towards Sustainability of Supply of Food, Water and Low-carbon Energy

March 7, 2012

JOHANNES LERCHER

Technische Universität München (TUM)

Catalytic Conversion of Biomass to Fuels and Chemicals

March 14, 2012

JONAH ERLEBACHER

Johns Hopkins University

Nanoporous Materials via Electrochemical Dealloying: Toward Applications in Energy Technologies

March 21, 2012

KARL LINDEN

University of Colorado at Boulder

Beyond Conventional: Illuminating the Future of Water Treatment

March 28, 2012

RONALD LARSON

University of Michigan

From Biology to Rheology and Back Again: The Intersection of Polymer Hydrodynamics and Biophysics

April 4, 2012

GEORGE GEORGIU

UT Austin

Engineering and Preclinical Development of Human Enzymes for Cancer Therapy

Monday April 9, 2012 *

RICHARD G. LUTHY

Stanford University

Re-inventing Urban Water Infrastructure

* NOTE: Special Lecture Date

All seminars will be held at 12:30 pm in Room 116 of the Wallberg Building, 200 College Street, Toronto, Ontario

LECTURES AT THE LEADING EDGE are supported by alumni and friends of the Department

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UNIVERSITY OF TORONTO