

CIFAR LUNAR CIRCLE A NEW GENERATION OF IDEAS

On behalf of the Canadian Institute for Advanced Research, Board Chairman Richard W. Ivey and President and CEO Chaviva M. Hošek cordially invite you to a thought-provoking discussion among three members of CIFAR's new Junior Fellow Academy.

Following the talk, there will be an exclusive dinner during which you will have the opportunity to ask questions and speak with the Junior Fellows.

This invitation is only available to CIFAR's Lunar Circle members. The Lunar Circle comprises an elite group of individuals and organizations with lifetime giving of \$100,000 or more.

DATE:

Monday, November 9, 2009

LOCATION:

Jamie Kennedy at the Gardiner Museum, 111 Queen's Park

TIME:

6:30 - 9:30 p.m.

Please RSVP to Tracy Ollivierre online at www.cifar.ca/Lcdinner2009, via telephone at 1-888-738-1113 or (416) 971-4450 or via email at tollivierre@cifar.ca by Monday, November 2, 2009.

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See far, go further



CIFAR
LUNAR CIRCLE

The Canadian Institute for
Advanced Research presents:

**A NEW
GENERATION
OF IDEAS**



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HOW DO WE THINK?

”

RYAN ADAMS

NEURAL COMPUTATION AND ADAPTIVE PERCEPTION

The mechanism behind intelligence has puzzled scientists and natural philosophers since the dawn of civilization. Right now, however, we are finally on the cusp of having the computational tools – both physical and theoretical – to answer the question "How do we think?"



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HOW CAN QUANTUM PHYSICS TRANSFORM INFORMATION TECHNOLOGY?

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BILL COISH

QUANTUM INFORMATION PROCESSING

A 50-year trend of exponential increases in computing power and speed will likely soon come to an end. Miniaturization, the key to these advances, will hit its limit when computer switches become the size of an atom. Quantum science offers hope for an entirely new way to continue the information revolution.



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HOW DO WE ACHIEVE EQUITY IN HUMAN DEVELOPMENT?

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ARJUMAND SIDDIQI

SUCCESSFUL SOCIETIES

In general, societies that are more equitable are also more successful. How do social policies contribute to equity in opportunities to develop human potential, thereby advancing the success of societies.