

# SOLUTIONS AND YOU

## Combating Climate Change

A David & Cecilia Ting Endowment Fund Series - Fall 2015



### Two Special Presentations by:

Dr. Michael Mann, Distinguished Professor of Meteorology and Director, Earth System Science Center, Pennsylvania State University, USA

September 16, 2015, 12:30 pm - SFU Burnaby, West Mall Centre (Room WMC 2202)

September 17, 2015, 7:00 pm - SFU Harbour Ctr, 515 W. Hastings, Room 1900



### Sept 16, 12:30 pm - SFU Burnaby, West Mall Centre Room 2202

#### The Past as Prologue: Learning from the Climate Changes in Past Centuries

Dr. Mann will review work over the past decade aimed at establishing the nature of, and factors underlying, patterns of large-scale climate variability in past centuries. He will discuss evidence from proxy climate reconstructions spanning the past millennium, the comparison of proxy reconstructions with simulations with climate model simulations forced by past natural and anthropogenic forcing, and results from climate modeling experiments in which proxy evidence is assimilated directly into coupled ocean-atmosphere model simulations. He will also discuss insights from proxy forward modeling that suggest the possibility that estimates of climate sensitivity derived entirely or partly from tree-ring evidence of past temperature changes may be biased low.

### Sept 17, 7:00 pm - SFU Harbour Ctr, 515 W. Hastings, Room 1900

#### The Hockey Stick and The Climate Wars: The Battle Continues

Building on the findings in his book, *The Hockey Stick and the Climate Wars*, Dr. Mann will discuss the basics of climate science and reveal the tactics which opponents of climate change use to distort the science and attack the reputations of scientists. He will describe both the hockey stick controversy and the broader context of skepticism in science and contrarians rejecting evidence of human influence on climate.

**Bio:** Dr. Michael E. Mann is Distinguished Professor of Meteorology at Penn State University, with joint appointments in Geosciences and the Earth and Environmental Systems Institute (EESI). His research involves the use of theoretical models and observational data to better understand Earth's climate system. He was a Lead Author on the Observed Climate Variability and Change chapter of the Intergovernmental Panel on Climate Change (IPCC) Third Scientific Assessment Report in 2001 and has received numerous honors and awards including being selected by *Scientific American* as one of the fifty leading visionaries in science and technology in 2002. He made *Bloomberg News*' list of fifty most influential people in 2013. In 2014, he was named Highly Cited Researcher by the Institute for Scientific Information (ISI) and received the Friend of the Planet Award from the National Center for Science Education. He is a Fellow of both the American Geophysical Union and the American Meteorological Society. Dr. Mann is author of numerous publications, including two books: *Dire Predictions: Understanding Global Warming* in 2008 and *The Hockey Stick and the Climate Wars: Dispatches from the Front Lines* in 2012.

Reservations are recommended for the evening lectures:

<http://michaelmann.eventbrite.com>

### Additional Talks in the Series:

Sept 24, 2015, 7:00 pm

#### How Large Is the Bill for Global

Climate Change? Dr. Chris Hope, University of Cambridge, UK

Oct 15, 2015, 7:00 pm

#### The Optimistic Environmentalist:

#### Planning for a 100% Renewable

Future Dr. David R. Boyd, Environmental Lawyer/Author

Oct 29, 2015, 7:00 pm

#### A World of Climate Extremes

Jana Sillmann, Ctr for International Climate & Environmental Research Oslo, Norway

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Hosted By: Faculties of Environment and Science



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