



THE FIELDS INSTITUTE

# FOCUS PROGRAM ON 100 Years of General Relativity

MAY-JUNE 2015

## FOCUS WEEKS

- |              |   |
|--------------|---|
| MAY 11 - 15  | Constraint Equations and Mass-Momentum Inequalities |
| MAY 19 - 29  | Perturbation Methods in General Relativity          |
| JUNE 8 - 12  | Black Hole Stability                                |
| JUNE 15 - 19 | Singularities in General Relativity                 |
| JUNE 22 - 26 | Nonlinear Wave Equations and their Numerical Study  |

## SPEAKERS

Robert Bradenberger, *McGill University*  
Dan Green, *CITA*  
Gary Horowitz, *UC Santa Barbara*  
Alexandru Ionescu, *Princeton University*  
Jonathan Luk, *Cambridge University*  
Tsvi Piran, *Hebrew University of Jerusalem*  
Frans Pretorius, *Princeton University*

Igor Rodnianski, *Princeton University*  
Richard Shoen, *Stanford University & UC Irvine*  
Saul Teukolsky, *Cornell University*  
William Unruh, *University of British Columbia*  
Andras Vasy, *Stanford University*  
S. T. Yau, *Harvard University*  
Robert Wald, *University of Chicago*

## CONFERENCES & PUBLIC LECTURES

- JUNE 1 - 5 International Conference on Black Holes  
JUNE 2 Public Lecture: Clifford Will, *University of Florida*

## ORGANIZERS

Spyros Alexakis, *University of Toronto*  
Mihalis Dafermos, *University of Cambridge*  
Luis Lehner, *Perimeter Institute*

Harald Pfeiffer, *University of Toronto*  
Eric Poisson, *University of Guelph*

IMAGE: NATIONAL SCIENCE FOUNDATION

For more information, please visit:  
[www.fields.utoronto.ca/programs/scientific/14-15/generalrelativity](http://www.fields.utoronto.ca/programs/scientific/14-15/generalrelativity)



THE FIELDS INSTITUTE FOR RESEARCH IN MATHEMATICAL SCIENCES

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