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ACHIEVEMENT HIGHLIGHTS

2011-12

ADVANCING FUNDAMENTAL RESEARCH

- Advanced fundamental research through 326 high calibre papers
- A recent study by Thomson Reuters showed that in 2010 Canada ranked first in physics citation impact among G8 countries; without Perimeter, Canada would have ranked fourth
- PI researchers won numerous awards and honours, including:
  - Faculty member Robert Myers won the Canadian Association of Physicists Vogt Medal
  - Faculty member Freddy Cachazo won the Canadian Association of Physicists Herbberg Medal
  - Distinguished Visiting Research Chair Nima Arkani-Hamed won the $3 million Fundamental Physics Prize

ATTRACTING THE WORLD’S BEST

- Welcomed Xiao-Gang Wen (recruited from MIT) as the BMO Financial Group Isaac Newton Chair and Davide Gaiotto (recruited from the Institute for Advanced Study) as the inaugural Galileo Chair
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GROWING THE PUBLIC-PRIVATE PARTNERSHIP

- Finalized federal funding agreement of $50 million, beginning in 2012
- Finalized provincial funding agreement of $50 million, beginning in 2012
- Secured $7.8 million in commitments from the private sector including the Krembil Foundation, the John Templeton Foundation, BMO Financial Group, Sun Life Financial, Burgundy Asset Management, Canadian Tire, Scotiabank, CIBC Mellon, Christie Digital, and RBC Foundation, among many others

CREATING AN OPTIMAL RESEARCH ENVIRONMENT

- Completed the Stephen Hawking Centre at PI on time and on budget, making Perimeter Institute the largest theoretical physics institute in the world
- Developed a three-tiered scientific computation environment, providing tailored, state-of-the-art computing resources to scientists
- Launched RECAST, a framework for applying high-energy physics analyses to new models, and Spaces, a tool to facilitate collaborative research

TRAINING THE SCIENTISTS OF THE FUTURE

- Trained 37 students from 20 countries, including 11 women, through the Perimeter Scholars International (PSI) master’s program
- Trained 35 PhD students

A GLOBAL HUB FOR SCIENTIFIC INTERACTION

- Concluded partnership agreements with the ICTP-South American Institute for Fundamental Research in Sao Paulo, Brazil, and the Institute of Mathematical Sciences in Chennai, India
- Provided extensive guidance to the African Institute for Mathematical Sciences-Next Einstein Initiative (AIMS-NEI)
- Hosted 17 conferences and workshops, attended by 1,013 scientists from around the world
- Presented 298 scientific talks (271 seminars, 28 colloquia)
- Hosted 401 visiting scientists
- Shared the Institute’s scientific events virtually: 75,369 visitors from 166 countries accessed the Perimeter Institute Recorded Seminar Archive

INSPIRING THROUGH OUTREACH

- Reached our one millionth student via PI educational resources
- Hosted the 10th annual International Summer School for Young Physicists for 39 Canadian and international students
- Delivered Perimeter content to 953 Aboriginal youth in 61 rural and remote communities in partnership with Actua
- Held six GoPhysic! camps and gave 14 Physica Fantastica presentations to over 2,100 students
- Delivered 85 workshops to more than 3,300 educators throughout Canada and abroad, impacting over 180,000 students
- Authored the modern physics unit of the grade 12 physics textbook tied to Ontario’s curriculum
- Held festivities for the opening of the Stephen Hawking Centre, attended by over 10,000 on-site visitors and thousands more online and on television
- Presented 11 sold out Public Lectures, each attended by over 600 people

All data as of July 31, 2012

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AAAS Plenary Speech, February 2012
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2011-12

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PERIMETER INSTITUTE FOR THEORETICAL PHYSICS