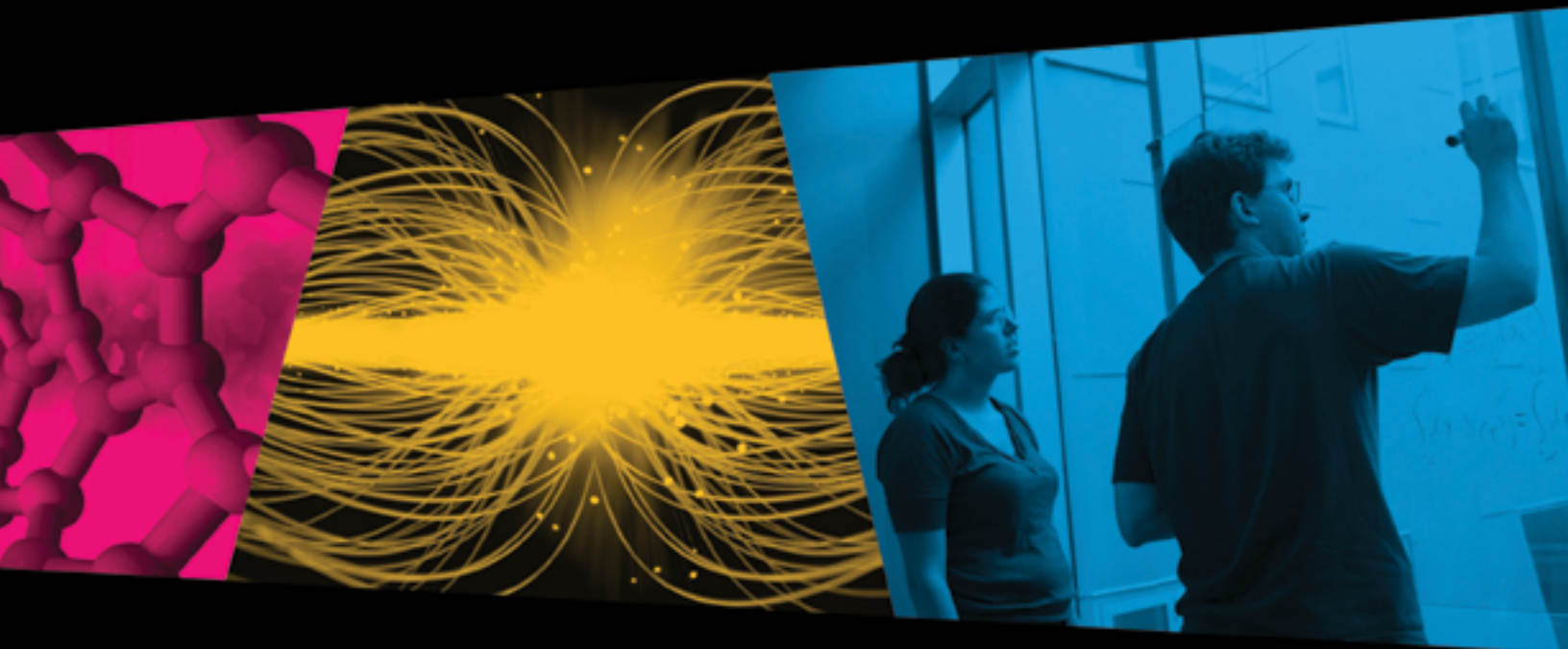


ACHIEVEMENT HIGHLIGHTS 2013/14



FUNDAMENTAL PHYSICS RESEARCH CONTINUALLY UNVEILS
THE STORY OF OUR UNIVERSE AND OURSELVES.
IT IS THE BLUEPRINT FOR OUR FUTURE:
TODAY'S THEORETICAL PHYSICS
IS TOMORROW'S TECHNOLOGY.

THE PERIMETER EQUATION IS SIMPLE.
FOSTER BREAKTHROUGH RESEARCH.
TRAIN THE NEXT GENERATION OF PHYSICS PIONEERS.
SHARE THE POWER OF THEORETICAL
PHYSICS WITH THE WORLD.

RESEARCH TO BREAKTHROUGHS

Perimeter hosts the world's largest community of theoretical physicists, tackling the deepest questions at strategic interfaces.

- **5** new faculty, bringing total to 36; 14 cross-appointed with Canadian universities
- **4** researchers named among "World's Most Influential Scientific Minds"
- **2** new Perimeter Research Chairs: Kevin Costello and Subir Sachdev
- **11** new Distinguished Visiting Research Chairs, reaching **42** total, including Stephen Hawking
- **10** major awards, including the New Horizons Prize and a Sloan Fellowship
- **413** published papers (totalling 2,961 papers since 2001, with over 90,000 citations)
- **697** scientists from around the world attended **17** PI conferences and workshops
- **424** scientists visited to work and collaborate
- **75,000+** viewers from **171** countries accessed PI's online archive of over **10,000** talks
- **\$2.2 million** in research grants to faculty
- Collaborations with biggest global experiments – LHC, SNOLAB, Planck, EHT, JLab, SLAC, and more

AN ACCELERATOR OF DISCOVERY

APPRENTICESHIP TO MASTERY

Pouring talent is the lifeblood of science, and Perimeter trains the world's largest pool of emerging theoretical physicists. Scientists-in-training learn from the world's best; graduates obtain successful careers in diverse areas, including academia, high-tech, aerospace, finance, and start-ups.

- **44** postdoctoral fellows with total research independence, receiving mentorship from senior scientists
- **42** PhD students
- **31** students trained through PSI, Perimeter's renowned master's "boot camp," totalling **155** from 48 countries since 2009
- **735** applicants for 16 new postdoctoral fellowships; 366 applicants from 63 countries for the 2014/15 PSI class



SCIENCE TO SOCIETY

Science is crucial to our future; PI outreach programs engage and inspire students, teachers, and the general public on the power and importance of physics.

- **1+ million** students reached this year;
- **4+ million** students reached since inception
- **1** new classroom resource developed and **8** distributed internationally
- **90+** workshops delivered to Canadian and international educators
- **40** of the world's brightest youth attended the 12th International Summer School for Young Physicists (ISSYP); 70% of alumni credit it with inspiring them to pursue science
- **10** Public Lectures – covering topics from black holes to clean energy to the coming quantum revolution – seen by thousands
- **1.9 million** reached through the BrainSTEM science festival, teacher workshops, and resources aimed at fostering 21st century STEM skills
- **\$5.1 million** in support of Perimeter's mission from individuals, corporations, and foundations
- **Emmy Noether Circle** created to provide focused support to women in physics
- Covered extensively in media, including Nature, CBC, BBC News, CTV, The Globe and Mail, Scientific American, and more

PERIMETER IS A THRIVING
PUBLIC-PRIVATE PARTNERSHIP
CATALYZING INNOVATION IN
CANADA'S QUANTUM VALLEY.

TODAY'S THEORETICAL PHYSICS
IS TOMORROW'S TECHNOLOGY

INDEPENDENT, ENTREPRENEURIAL,
AND AGILE, PERIMETER
SEIZES OPPORTUNITIES
TO ACCELERATE
THE PACE OF DISCOVERY.



*"Perimeter Institute is now one of the world's leading centres
in theoretical physics, if not the leading centre."*

– Stephen Hawking, Perimeter Institute Distinguished Visiting Research Chair
and Emeritus Lucasian Professor, University of Cambridge

FOR FURTHER INFORMATION, SEE THE 2013/14
ANNUAL REPORT TO INDUSTRY CANADA.

www.perimeterinstitute.ca

PERIMETER  INSTITUTE FOR THEORETICAL PHYSICS

