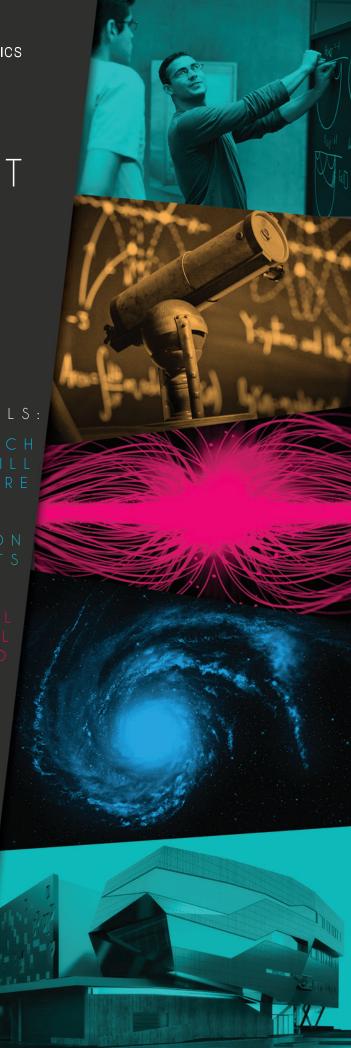
A C H I E V E M E N T H I G H L I G H T S 2 0 1 2 / 1 3

GOALS:

TO ACHIEVE RESEARCH BREAKTHROUGHS THAT WILL TRANSFORM OUR FUTURE

TO FOSTER THE NEXT GENERATION
OF BRILLIANT PHYSICISTS

TO SHARE THE TRANSFORMATIONAL
POWER OF THEORETICAL
PHYSICS WITH THE WORLD



RESEARCH

Tackling the big questions at the frontiers of theoretical physics.

GLOBAL SCIENTIFIC.

An independent international study on research excellence ranked Perimeter 5th in physics overall, and 2nd in theoretical physics worldwide. excellencemapping.net

> Researchers published 397 papers in 2012/13.

Since 2001, researchers have published 2,500+ papers in 60 journals with 77,000+ citations.



150 SCIENTISTS

Mapping Scien

Re-appointed Neil Turok as Director, and appointed him to the Lazaridis Bohr Chair in Theoretical Physics.

Recruited 5 new faculty, bringing the total to 32; 12 are cross-appointed with Canadian universities.

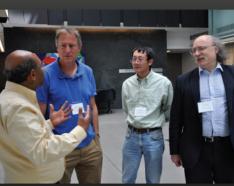
Appointed 12 new Distinguished Visiting Research Chairs, bringing the total to 34 – among them, Stephen Hawking.

Faculty earned 11 major prizes and ha

Davide Gaiotto won the New Horizons in Physics Prize from the Fundamental Physics Prize Foundation.

Kendrick Smith shared in the Gruber Prize for his work with the Wilkinson Microwave Anisotropy Probe (WMAP), mapping the universe's oldest light.





Held 10 conferences attended by 700 scientists.

Hosted 400+ visiting scientists.

81,000+ unique visitors from 170 countries accessed 6,700+ online talks on pirsa.org.

Forged 3 new partnerships: with TRIUMF and SNOLAB, Israel's Weizmann Institute, and Italy's International School for Advanced Studies (SISSA).

RAININ

Drawing the very brightest young physicists from across the globe to train at Perimeter.



In 2012/13, the groundbreaking Perimeter Scholars International (PSI) program trained 29 students, including 10 women, from 15 different countries.

PSI has graduated 125 students from 37 countries since 2009.

Perimeter hosts the largest community of theoretical physics postdocs in the world. Postdocs have total research independence, with mentorship from senior scientists.

In 2012/13, 20 new postdoctoral fellows were recruited, bringing the community to 44.

There were 39 PhD students at Perimeter in 2012/13; 6 completed their doctorates



SEEDING THE FUTURE

Perimeter alumni go on to work in academia, industry, medicine, technology, and more.

> In 2012/13, 6 postdocs obtained tenure-track positions at top universities.

Perimeter grads founded 2 new tech companies, Canopy Labs and Invenia Technical Computing.



Canopy Labs



GROWING THE PUBLIC/PRIVATE PARTNERSHIP



Created the Anaximandros Scholarship for exceptional young physicists with donations from the Hellenic Heritage Foundation and the Savvas

Attracted over \$1.6 million from individuals, corporations, and foundations.

Launched new funding circles for donors at all levels.

Obtained \$2.3 million in research grants in 2012/13.



students in 2012/13; reached

11th International Summer School for Young Physicists have attended ISSYP since 2003 and 70% credit the program with inspiring them to study science in university.

Delivered more than 90 more than 2,500 educators and 125,000 student including Aboriginal youth in remote communities

Released Career Moyes: Skills for the Journey, Perimeter's 7th educational module, showcasing science- and math-based careers.

Launched Perimeter's educational resources internationally; Singapore's Ministry of Education purchased a full suite of resources, including training to





in 2012/13, including The Globe and Mail, National Post, Toronto Star, Maclean's, The Huffington Post, CTV, CBC, Nature, The Walrus, TIME Magazine, Reader's Digest, Wired UK, and The Economist.

"[Turok] has been instrumental in developing Perimeter's reputation as one of the world's leading centres for cutting-edge theoretical physics as well as public outreach. Unlocking the secrets of the universe is not enough; at Perimeter, they want everyone to share in the joy of discovery."

- "The God Particle." The Walrus, December 2012

"In less than 15 years, a global hub for quantum research has been created from almost nothing in Waterloo Region. It includes: the largest theoretical physics institute in the world, the most state-of-the-art labs ever built to fabricate quantum devices and hundreds of researchers recruited from around the globe. Spinoff companies are being created, patents are being filed and luxury hotels and restaurants are springing up to service an incoming scientific class. Quantum is becoming a household word for the general public, who are lapping up science lectures at surprising rates."

> - "The Quest for Quantum Valley," The Waterloo Region Record, April 20, 2013

W W W . P E R I M E T E R I N S T I T U T E . C A



