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## GLOBAL YOUNG SCIENTISTS SUMMIT GYSS@one-north

The Global Young Scientists Summit (GYSS)@one-north is an international gathering in Singapore for bright young researchers from all over the world to be inspired by internationally eminent science and technology leaders. The Summit will discuss the latest advances in science and technology, and how research could be harnessed to address major global challenges. It is a multi-disciplinary summit, covering the basic sciences of chemistry, physics and medicine as well as mathematics, computer science and engineering.

### Excite, Engage, Enable

The Summit aims to:

- **Excite** and inspire bright young scientists to apply their minds to research that addresses serious global challenges and the future needs of mankind;
- **Engage** and connect young researchers to like-minded peers as well as with eminent scientific leaders through close & personal interaction sessions;
- **Enable** participants with a compelling research proposition to take the first steps to bring their ideas to fruition.



*The multi-coloured dots of the GYSS@one-north logo represents the diverse cultures and nationalities that converge on Singapore to conduct research. The portrayal of motion shows the dynamic nature of Singapore's research landscape which is continually striving towards future breakthroughs.*

### GYSS@one-north 2013

The inaugural GYSS@one-north will be held from 20 to 25 January 2013 with the theme, "Advancing Science, Creating Technologies for a Better World". The five-day programme will address the key areas of science and research, technology innovation & society and solutions to global challenges.

The first three days of the Summit comprise lectures and plenary sessions with invited scientific leaders in the morning followed by informal small group interaction sessions and master classes with the speakers in the afternoon. Participants will have the opportunity to visit the universities, research centres and other research and technology landmarks of Singapore in the final two days of the Summit. Cultural events will also be organised for visitors to appreciate the sights, sounds and tastes of multi-cultural Singapore.

# Singapore Challenge

A unique feature of GYSS@one-north is the Singapore Challenge. Participants are encouraged to submit white papers to propose innovative solutions to an identified global challenge when registering. The authors of the best 10 papers will present their ideas to a panel of scientific leaders at the last day of the Summit. A prize will be awarded to the individual with the most compelling idea.

## Speakers and Participants

Speakers invited to the GYSS@one-north are globally renowned scientific leaders who are recipients of the Fields Medal, Millennium Technology Prize, Nobel Prize, and Turing Award.

Some of the speakers are:

- Aaron Ciechanover, Nobel Laureate in Chemistry (2004)
- Ada Yonath, Nobel Laureate in Chemistry (2009)
- Albert Fert, Nobel Laureate in Physics (2003)
- Anthony Leggett, Nobel Laureate in Physics (2003)
- Cédric Villani, Fields Medal (2010)
- Eric Cornell, Nobel Laureate in Physics (2001)
- Frances Allen, Turing Award (2006)
- Hartmut Michel, Nobel Laureate in Chemistry (1988)
- Michael Grätzel, Millennium Technology Prize (2010)
- Richard Karp, Turing Award (1985)
- Richard Roberts, Nobel Laureate in Medicine (1993)
- Robert Grubbs, Nobel Laureate in Chemistry (2009)
- Shuji Nakamura, Millennium Technology Prize (2006)
- Sydney Brenner, Nobel Laureate in Medicine (2002)



Participants propose innovative solutions to global challenges at the Singapore Challenge. Photo: Sandy Chian



Aaron Ciechanover, Nobel Prize in Chemistry (2004)



Michael Grätzel, Millennium Technology Prize (2010)



Cédric Villani, Fields Medal (2010)



Richard Karp, Turing Award (1985)



Participants are bright young scientists, post-docs and PHD students from different parts of the world. Photo: SEC

Top scientific minds such as Professors Ciechanover, Grätzel, Villani and Karp will lecture at the Summit.

The inaugural GYSS@one-north will play host to between 300 and 400 participants who are PhD students and postdocs under the age of 35. These bright young scientists are nominated by universities and research organisations from around the world.

For more information on the GYSS@one-north, please visit [www.GYSS-one-north.sg](http://www.GYSS-one-north.sg).

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