



TECHNOLOGY  
ACADEMY  
FOUNDATION

# **Technology Academy**

**Finland's tribute to life-enhancing  
technological innovations**

**Dr. Ainomaija Haarla, President and CEO  
PTS Roundtable, Baden-Baden, 22.9.2009**



## **Our objectives**

- **To promote scientific research and innovation in developing new technologies that are based on human values and have a positive impact on quality of life.**
- **To encourage young people to study natural sciences, mathematics and technology.**
- **To influence societal change through sustainable technologies.**
- **To award the biennial Millennium Technology Prize.**



# Structure

**SCIENTIFIC  
COMMUNITY**

**Industry  
Council**

**STV  
Swedish  
Academy of  
Engineering in  
Finland**

**TTA  
Finnish  
Academy of  
Technology**

**INDUSTRY AND  
COMMERCE**

**GOVERNMENTAL  
ORGANISATIONS**

- **A comprehensive network** in which committed people and a minimal hierarchy achieve results
- **Private/public partnerships**

# Millennium Technology Prize – the main tool

Finland's tribute to life-enhancing technological innovation

- At the one million euro level, the Millennium Technology Prize ranks among the world's most prestigious awards in its class.
- Awarded every second year for a technological innovation which has the potential to significantly improve the quality of human life today and in the future.
- Awarded by the Technology Academy Foundation, an independent fund established by Finnish industry and the Finnish state in partnership.





# The man who began a new era in communication



## **Sir Tim Berners-Lee – inventor of the WWW**

The World Wide Web has significantly enhanced people's ability to obtain information that is central to their lives.

It encourages new types of social networks that support transparency and democracy, and opens up new ways of managing information and businesses.



# The man who began a new era in lighting



## **Shuji Nakamura – inventor of bright-blue LEDs and the blue laser**

Prof. Nakamura's innovation is leading to significant global energy savings by enabling highly-efficient illumination systems in both industrialized and developing countries.

The technology can also be applied to make sterilising drinking water more efficient and economical.



# **The man who began a new era of nanotechnology in medical sciences**



## **Robert Langer – innovations in controlled drug release and tissue regeneration**

Prof. Langer's inventions and development of innovative biomaterials for controlled drug release and tissue regeneration have saved human lives and improved the lives of millions of patients. His innovations have had a significant impact on fighting cancer, heart disease and numerous other diseases. Over 100 million people a year are already using advanced drug delivery.



# Call for Nominations 2010

- **The nomination period for 2010 began on 1 March 2009 and will end on 1 October 2009.**
- Nomination letters, including other necessary material can be sent by using a nomination form provided on the Technology Academy website.
- Calls for nominations have been sent to selected recipients using both e-mail and conventional mail.
- The pre-selection process will be completed by 1 November 2009.
- The Finalists/Laureates will be announced in April 2010.
- The Millennium Technology Prize 2010 will be awarded in June 2010 in Helsinki, Finland.