

Colloquium

From Physics to Daily Life 60th anniversary celebrations!

How the technology and knowledge transfers from fundamental research changed industrial processes, human behaviour and society at large

26th September 2014 - CERN Main Auditorium, Presented by Beatrice Bressan

08h45-09h00 **Welcome coffee**

09h00-09h10 **Opening Address**, *Sergio Bertolucci*

09h10-09h25 **Knowledge and Technology Transfer at CERN**, *Giovanni Anelli*

Knowledge Management and Technology Transfer in an Organization

09h25-09h45 **Knowledge Management: From Theory to Practice**, *Daan Boom*

Applications in Biology, Medicine, and Healthcare

09h45-10h05 **Particle Beams for Cancer**, *Ugo Amaldi*

10h05-10h25 **Detection and Imaging**, *David W. Townsend*

10h25-10h45 **Micro-Fabricated Sensors**, *Cinzia Da Vià*

10h45-11h05 **Technology Fallout in Bioinformatics**, *Paolo Zanella*

11h05-11h25 **Coffee break**

11h25-11h45 **Understanding the Brain: Organizational and Scientific Challenges**, *Henry Markram*

11h45-12h05 **Online Environments for Research and Care in Neurodegenerative Diseases**, *Giovanni B. Frisoni*

12h05-12h25 **Data Management Challenges in Paediatric Information Systems**, *Richard McClatchey*

12h25-12h45 **Health Surveillance**, *David Manset*

12h45-14h00 **Lunch break**

Applications in Informatics, Energy, and Environment

14h00-14h20 **WWW and more**, *Robert Cailliau*

14h20-14h40 **Grid and Cloud**, *Bob Jones*

14h40-15h00 **The 'Touch Screen' Revolution**, *Bent Stumpe*

15h00-15h20 **Solar Thermal Electricity Plants**, *Cayetano Lopez*

15h20-15h40 **Computers and Aviation**, *Antony Jameson*

15h40-16h00 **Coffee break**

16h00-16h20 **Antimatter Pushing Boundaries**, *Niels Madsen*

16h20-16h40 **Towards a Globally Focussed Earth Simulation Centre**, *Bob Bishop*

16h40-17h00 **Radiation Detection in Environment and Classrooms**, *Michael Campbell*

17h00-17h20 **Theory for Development**, *Fernando Quevedo*

Economic Aspects of Knowledge Management and Technology Transfer

17h20-17h40 **Innovation and Big Data**, *Edwin Morley-Fletcher*

17h40-18h00 **Universities and Corporations: The Case of Switzerland**, *Martin Woerter*

18h00-18h10 **Conclusion**, *Marilena Streit-Bianchi*

18h10-18h20 **Closing Address**, *Sergio Bertolucci*

