



**INNOVATIVE
ECONOMY**
NATIONAL COHESION STRATEGY



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND



Project co-financed by the European Union through the European Regional Development Fund



AGENDA

26th – 29th October 2011

Regional Centre for Business Tourism, Centennial Hall, Wrocław Poland

26 October 2011

**Grand challenges in physics.
Excellence through cooperation.**

Morning session

Carlo Rubbia
Energy and sustainable development: alternative energy resources
Jianwei Pan
Quantum Information
Alain Aspects
Quantum Atom Optics; atoms as weird photons and even more
Hitoshi Murayama
Cosmology and Space Physics: Dark Matter and Dark Energy

Afternoon session

Workshops of the international working groups/panels

Working Group 1:
Joint large scale programmes and networks: crisis creates opportunities
Chair: Tohru Motobayashi, Eugenio Coccia
Sci. Secretary: Jozef Sznajd

Working Group 2:
Physics at frontier of grand challenges: Energy and sustainable development, alternative energy resources
Chair: Gui Lu Long, Karlheinz Maier
Sci. Secretary: Dettel Hommel

Working Group 3:
Education is a must: needs of more and better educated people from science and industry
Chair: Swan Kim, Hendrik Ferdinande
Sci. Secretary: Robert Olkiewicz

Working Group 4:
Mobility of scientists, exchange programmes, obstacles, scholarships versus hiring people
Chair: Xianfeng Chen, Martial Ducloy
Sci. Secretary: Miroslaw Miller

Working Group 5:
Industry versus Academia: cooperate or die
Chair: Mitsuaki Nozaki, Tadeusz Luty
Sci. Secretary: Pawel Olko

27 October 2011

**Trends in physics and science policy issues.
Promoting individual excellence in physics.**

Morning session

Tomasz Dietl
Nanospintronics
Daniel Esteve
European Research Council – major change in European science funding
Luisa Cifarelli, Shoji Nagamiya, Barry Barish, Gerardo Delgado Bario
Future of Learned Societies

Afternoon session

Panel discussion
Science career
Excellence in physics education by the international cooperation
Poster session
European Physics Society General Meeting

28 October 2011

**Grand projects and large research infrastructure.
Developing collective excellence via proper research infrastructure.**

Morning session

Carlo Rizzuto
Lectures on grand projects and large research infrastructure given by representatives of AAPPS and EPS

Afternoon session

Panel discussion
Round table on Europe – Asia Pacific collaboration in physics
(panel consisting of representatives of several national societies with participation of the European Commission representative)
Summary of workshops
Poster session

29 October 2011

Final session

Marie Skłodowska Curie session
Marta Kicinska - Habior
Marie Curie: 100 years later
Summary of the conference

Excursion: Wrocław guided tour

For more information and registration please visit official ASEPS website: www.aseps.net

Honorary patronage:



Organizers:

Maciej Kolwas
European Physical Society
Institute of Physics,
Polish Academy of Sciences



Jerzy Langer
Academia Europaea
Institute of Physics,
Polish Academy of Sciences



Miroslaw Miller
Wrocław Research Centre EIT+



Robert Olkiewicz
University of Wrocław

