

# Asia-Europe Physics Summit (ASEPS)

Revision: 06/07/09

*Where Politics and Science meet  
"Physics towards science innovations"*

Date and location: March 24-26, 2010, Tsukuba (Japan)

## ○ **Why Euro-Asia, Why Physics**

- Euro-Asia cooperation remains weak compared to Euro-Americas or Asia-Americas levels. No world-wide project will succeed if not based on a balanced cooperation between the three main regions (Europe, Asia and North America). Therefore reinforcing the Asia-Europe cooperation should be seen as the first step towards the setting up of global projects.
- Physics research beyond its contribution to basic knowledge often leads to the development of new tools which trigger important advances in other research fields like biology, chemistry, earth and space sciences. Physics is a well defined field, basic to many societal needs for innovations. The meeting of politics leaders and scientists is therefore paramount.
- Physics research is profoundly multi-disciplinary and strongly bound to technology achievements. The research-industry link is vital for both parties.

## ○ **What are the goals of the Summit?**

- To discuss the scientific priorities and possible shared contributions to large scale infrastructures or networks in various research fields including: particle physics, astrophysics, astronomy, mesophysics, new materials, laser, nuclear physics (fusion, transmutation), bio-medical physics, sustainable energy, space research, data GRID computing, ...
- To setup a dedicated framework (see last item) that would help boosting the level of the Euro-Asia collaborations in Physics for the next 15-20 years.
- To favor the developing countries involvement in research so as to bridge the knowledge/digital gap (participation to international projects, support to domestic infrastructures).

## ○ **Who organizes, which countries, who shall attend?**

*Organization:* French and Japanese physicists have launched this initiative supported by CNRS (France) and JSPS (Japan); however its organization needs the involvement of all countries sharing the same concerns and objectives. Therefore the participation of European and Asian research institutions and funding agencies is expected.

Each participating country shall have its own organizing committee involving research organizations, funding agencies, ministries representatives as well as scientists and industry leaders

*Countries:* All countries from Europe, east Europe, Russia and from Asia-Pacific

*Attendance:* physicists representing major research projects, research organization directors, government officials (research and foreign affairs ministries), industry leaders.

## ○ **Why EPS, AAPPS, ASEM, Research Councils and the ERC?**

The European Physical Societies (EPS) and the Association of Asian-Pacific Physical Societies (AAPPS) are already deeply involved in the organization, the running and the outcomes of the Summit. The Asian-Europe Meetings (ASEM), the Research Councils in Asia and in Europe and the European Research Commission are expected to play a significant role in the Summit.

## ○ **What supportive framework could the Summit initiate?**

Among other possibilities, an Euro-Asia Physics Foundation will be discussed and could be initiated by the Summit. Relying on public and private funds, it would provide fellowships for young researchers as well as short and long term invitations to senior researchers. It would support workshops and schools, joint laboratories and global physics centers forming the backbone of a strong Euro-Asia research network.