

### 13:45-15:00 Breakout Session registration

All sessions seek to adopt key actions for European and National stakeholders

#### Breakout Session 1

Inspiring the next generation: Young people's interest in MST education and careers

*Rapporteur: Marc Durando, Executive Director, European Schoolnet*

- Build on the speeches, keynote addresses and expert panel discussions on trends and their consequences for Europe
- What can we learn from national differences or commonalities?
- Teachers' experience of challenges in MST education
- Teachers' requirements and role in school-industry-collaboration

#### Breakout Session 2

Companies' roles and contribution to the development of skills in MST

*Rapporteur: Caroline Jenner, CEO, Junior Achievement Young Enterprise*

- Build on the speeches, keynote addresses and expert panel discussions on industry's role in maths, science and technology education
- What support is needed by local schools and companies – what should National and European support infrastructure include?
- What further steps need to be taken in order for Europe to achieve systematic, sustainable and widespread collaboration between schools and industry?
- Can mentoring and volunteering be used in the promotion of MST?
- Can such initiatives be implemented on a European level?

#### Breakout Session 3

Next best practice

*Rapporteur: Hans van der Loo, Shell/Jet-Net*

- What is best practice today? JETNET & WISSENSFABRIK
- What constitutes "next" best practice?

### 15:00-15:30 COFFEE BREAK

#### 15:30-16:30 Feedback and Conclusions

Summary of breakout session conclusions by Rapporteurs

Final conclusions by Chair, Andrew Dearing

# PROGRAMME

## "INSPIRING THE NEXT GENERATION":

How to harness the potential of **MATHEMATICS, SCIENCE and TECHNOLOGY** to drive **Innovation and Competitiveness in Europe**

2 October 2008,

Résidence Palace, Brussels, Belgium



European Round Table of Industrialists (ERT)  
Email: [event@ert.eu](mailto:event@ert.eu)

#### CONTACT

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# THE PROGRAMME

## 09:30-10:15 Registration and coffee

## 10:15-10:30 Opening

Speaker: Jorma Ollila, Chairman ERT, Chairman Nokia, Chairman Royal Dutch Shell

- Welcome
- Purpose of the event:
  - Awareness: Increase awareness of the need for school-industry collaboration to address some of the challenges in increasing young people's interest in Mathematics Science and Technology (MST) education and careers
  - Platform: Provide a platform to address these challenges, share experience and develop workable solutions
  - Momentum: Inspire and provide momentum for the establishment of National and European support infrastructure for next best practice
  - Commitment: Communicate ERT Member Company commitment

Chair: Andrew Dearing, Secretary General European Industrial Research Management Association (EIRMA)

- Outline of event

## 10:30 – 10:45 Inspiring the Next Generation

Speaker: Leif Johansson, CEO Volvo

- Background summary:
  - Negative attitudes and declining student

proportion is leading to poorer quality of education, weakened competitiveness and difficulties in recruiting and retaining employees

- Students lack rationale to study and work in MST, with the subjects lacking meaningful life and career contexts
- Students are short of access to role models
- Teachers do not possess the knowledge to enable them to put subjects into meaningful career contexts
- ERT's conclusions and priorities:
  - Build on what already exists
  - Improved coordination, evaluation and use of research and empirical results
  - Reach more students and teachers
- ERT's suggested strategy and collaboration model:
  - Focus on customers' needs (local schools and companies)
  - Create support infrastructure
  - Adapt for economies of scale and sustainable financing structure

## 10:45-11:15 Keynote addresses

Keynote speaker: José Manuel Barroso, President of the European Commission

European Commission will provide insight on:

- Europe's MST competence supply
- Priorities in MST education and careers (2008-2010)
- School-industry-collaboration to address some of the challenges in increasing young people's interest in MST education and careers
- How can stakeholders (Commission, European academia and European business) work together to support and excel school-industry-collaboration from 2009 onwards?

Keynote speaker: Xavier Darcos, French Minister of Education

French Minister of Education will provide insight on:

- French government's view on school-industry-collaboration to address the challenges presented in increasing young people's interest in MST education and careers
- How can national governments, academia and industry support and excel school-industry-collaboration from 2009 onwards?

## 11:15-11:30 What the research tells us - the ROSE project and recent OECD findings

Speaker: Prof Svein Sjøberg

## 11:30-12:45 Expert panel discussion

Odile Quintin	DG Education and Culture
Janez Potočnik	Commissioner of Research
Christa Prets	Member of European Parliament – Committee on Culture and Education
Leif Johansson	CEO Volvo
Professor Jonathan Osborne	Kings College, London

Young people's interest in maths, science and technology education and careers

- What are the trends?
- Why are they occurring?
- What will be the effect on Europe if they are not changed?

Business' role in maths, science and technology education

- Is there a tangible role for business?
- Reasonable short and long-term targets?
- Who are the stakeholders that need to commit towards these targets?
- Potential actions?

Question & Answer Session

## 12:45-13:45 NETWORKING LUNCH