



12th ECNDT

GOTHENBURG-SWEDEN-2018



For its 10th anniversary, Academia NDT International invites you to attend the European Research Day (June 13th, Room E1)

EUROPEAN RESEARCH DAY 13 June 2018 - Gothenburg, Location room E1

Morning Session

09:00-9:15 **Welcome Addresses by the President of Academia NDT,**
Giuseppe Nardoni and President of EFNDT, Peter Trampus

09:15-09:25 Presentation of Academia Award GALILEO GALILEI
Laudatio U. Ewert

09:25-10:20 *Joachim Frank – Nobel Prize in Chemistry Lectio Materia*
The bridge between imagination and application
SINGLE PARTICLE CRYO-ELECTRON MICROSCOPY
Filling the gigantic gap in our knowledge of biological structures.

10:20-10:40 **Coffee Break**

10:40-10:50 Presentation of Academia Award STEPHEN HAWKING
Laudatio V. Krstelj

10:50-11:30 *Antonino Zichichi*
President of EMFCSC (ETTORE MAJORANA FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE) and President of World Federation of Scientists CERN – The Frontiers of High Energy Physics

11:30-12:00 **NDT Integrity Engineering - Authors: Peter Trampus, Vjera Krstelj**
Speaker: Peter Trampus, President of EFNDT

12:00-12:30 **Construction of the First Fusion Reactor – ITER, Cadarache, France**
Speaker: Victor Udintsev

12:30-13:30 **Lunch**



Joachim Frank
NOBEL PRIZE IN
CHEMISTRY



Antonino Zichichi-
Among the founder
of CERN

Afternoon Session

13:30-14:00 **From EU 7th Framework Programme for Research to Horizon 2020**
Speaker: EU representative

14:00-14:30 **IAEA Contribution to Research and Training for Safety of People and Protection of the Environment,** *Speaker: Patrick Brisset*

14:30-15:00 **Industry 4.0 – Overall Significance and Implications to NDT,**
Authors: Rainer Link, Nathanael Riess, Speaker: Rainer Link

15:00-15:20 **Coffee break**

15:20-15:50 **Current Developments in Digital Radiography and Computed Tomography from Nanometer to Macro Scale**
Speaker: Uwe Ewert

15:50-16:20 **Academic Education of NDT at Master Level and Resulting Implications on the NDT Community.**
Authors: Christian Boller, Peter Starke, University Saarbrucken, Dresden International university
Speaker: Christian Boller

16:10-16:50 **Nonlinear Signal Processing for NDT 4.0**
Speaker: Serge Dos Santos
A guideline for application of this technique is under preparation.

16:50-17:00 **Concluding Remarks, Closing**
Speaker: Giuseppe Nardoni

