

**Advanced Mechanics in
Accelerator Technology
(AMAT)**

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome and general introduction to CERN's activities by Dr. Andrzej Siemko

Thursday, 18 April 2013 18:00 (30 minutes)

Presenter: Dr SIEMKO, Andrzej (CERN)

Session Classification: Welcome

Contribution ID: 1

Type: **not specified**

Meeting with the President of the CERN Council Prof. Agnieszka Zalewska

Thursday, 18 April 2013 18:30 (30 minutes)

Session Classification: Welcome

Contribution ID: 2

Type: **not specified**

Welcome of participants by Prof. Rolf-Dieter Heuer, Director-General of CERN

Friday, 19 April 2013 09:00 (15 minutes)

Session Classification: Advanced Mechanics in Accelerator Technology (AMAT)

Contribution ID: 3

Type: **not specified**

20 years of cooperation between CERN and the Cracow University of Technology

Friday, 19 April 2013 09:15 (20 minutes)

Presenter: SKOCZEN, Blazej

Session Classification: Advanced Mechanics in Accelerator Technology (AMAT)

Contribution ID: 4

Type: **not specified**

Intelligent systems for multidisciplinary design optimization problems

Friday, 19 April 2013 09:35 (20 minutes)

Presenter: BURCZYNSKI, Tadeusz

Session Classification: Advanced Mechanics in Accelerator Technology (AMAT)

Contribution ID: 5

Type: **not specified**

Technology of superconducting magnets

Friday, 19 April 2013 09:55 (20 minutes)

Presenter: BOTTURA, Luca (CERN)

Session Classification: Advanced Mechanics in Accelerator Technology (AMAT)

Contribution ID: 6

Type: **not specified**

Selected research areas in mechanics of materials

Friday, 19 April 2013 10:15 (20 minutes)

Presenter: PETRYK, Henryk

Session Classification: Advanced Mechanics in Accelerator Technology (AMAT)

Contribution ID: 7

Type: **not specified**

Material studies and tests at CERN

Friday, 19 April 2013 10:50 (20 minutes)

Presenter: SGOBBA, Stefano (CERN)

Session Classification: Advanced Mechanics in Accelerator Technology (AMAT)

Contribution ID: 8

Type: **not specified**

Constitutive modelling of materials for particle accelerators design

Friday, 19 April 2013 11:10 (20 minutes)

Presenter: SKOCZEN, Blazej

Session Classification: Advanced Mechanics in Accelerator Technology (AMAT)

Contribution ID: 9

Type: **not specified**

Interaction of high energy particle beams with solids

Friday, 19 April 2013 11:30 (20 minutes)

Presenter: BERTARELLI, Alessandro (CERN)

Session Classification: Advanced Mechanics in Accelerator Technology (AMAT)

Contribution ID: **10**

Type: **not specified**

HiRadMat Facility at CERN

Friday, 19 April 2013 11:50 (20 minutes)

Presenter: EFTHYMIPOULOS, Ilias (CERN)

Session Classification: Advanced Mechanics in Accelerator Technology (AMAT)

Contribution ID: 11

Type: **not specified**

From particle physics to medical applications

Friday, 19 April 2013 12:10 (20 minutes)

Presenter: CIRILLI, Manuela (CERN)

Session Classification: Advanced Mechanics in Accelerator Technology (AMAT)

Contribution ID: 12

Type: **not specified**

Visit of the LHC superconducting magnet test hall SM18

Contribution ID: 13

Type: **not specified**

Visit of CERN experiments and facilities