

ASPERA Technology Forum on Mirrors and Lasers in Astroparticle Physics Infrastructures



Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome to EGO

Thursday, October 20, 2011 9:15 AM (5 minutes)

Welcome talk by the EGO director

Presenter: Prof. FERRINI, Federico (EGO)

Session Classification: Introduction

Contribution ID: 1

Type: **not specified**

ASPERA Technology Forum

Thursday, October 20, 2011 9:20 AM (10 minutes)

Description of ASPERA and of the Technology Forum mission

Presenter: Dr BERGHOEFER, Thomas (PT-DESY)

Session Classification: Introduction

Contribution ID: 2

Type: **not specified**

VHE Gamma-Ray Astronomy: Overview

Thursday, October 20, 2011 9:30 AM (20 minutes)

Introductory talk on the HECR physics

Presenter: Dr HERMANN, German (Max-Planck-Institut für Kernphysik)

Session Classification: Introduction

Contribution ID: 3

Type: **not specified**

Gravitational Wave research: Overview

Thursday, October 20, 2011 9:50 AM (20 minutes)

An overview talk on th eGW search in Europe and in the World

Presenter: Dr LUECK, Harald (AEI Hannover (MPI f. gravitational Physics / Inst. f. Grav.physics Leibniz Uni Hannover))

Session Classification: Introduction

Contribution ID: 4

Type: **not specified**

Substrates, polishing, coatings and metrology for 2nd generation GW detectors

Thursday, October 20, 2011 2:45 PM (30 minutes)

Presenter: PINARD, Laurent (Laboratoire des Matériaux Avancés - Lyon)

Session Classification: Mirrors - II

Contribution ID: 5

Type: **not specified**

Substrates and nano-structured surfaces for 3rd generation GW observatories

Thursday, October 20, 2011 3:15 PM (30 minutes)

Presenter: Dr KLEY, Bernhard (FSU Jena, Institute of Applied Physics)

Session Classification: Mirrors - II

Contribution ID: 6

Type: **not specified**

All-aluminum diamond-polished mirror sandwich technique

Thursday, October 20, 2011 1:00 PM (30 minutes)

Presenter: MARIOTTI, Mose' (PD)

Session Classification: Mirrors - I

Contribution ID: 7

Type: **not specified**

Cold-slumped glass mirrors

Thursday, October 20, 2011 3:45 PM (30 minutes)

Presenter: GIRO, Enrico (PD)

Session Classification: Mirrors - II

Contribution ID: 8

Type: **not specified**

Carbon fibre composite mirrors in SMC technology

Thursday, October 20, 2011 4:45 PM (30 minutes)

Presenter: Mr KARCZEWSKI, Michal (Space Research Centre - Polish Academy of Science)

Session Classification: Mirrors - III

Contribution ID: 9

Type: **not specified**

High-reflectance, high durability coatings

Thursday, October 20, 2011 5:15 PM (30 minutes)

Presenter: Dr FOERSTER, Andreas (Max-Planck-Institut fuer Kernphysik)

Session Classification: Mirrors - III

Contribution ID: **10**

Type: **not specified**

Lasers for 2nd and 3rd generation GW detectors

Friday, October 21, 2011 11:05 AM (30 minutes)

Presenter: NEUMANN, Jörg (Laser Zentrum Hannover)

Session Classification: Lasers

Contribution ID: 11

Type: **not specified**

Fiber Lasers in GW experiments

Friday, October 21, 2011 11:35 AM (20 minutes)

Presenter: Prof. BRILLET, Alain (Observatoire de la cote d'azur - Nice)

Session Classification: Lasers

Contribution ID: 12

Type: **not specified**

Simulation issues for GW experiments

Friday, October 21, 2011 2:55 PM (30 minutes)

Presenter: Dr FREISE, Andreas (University of Birmingham)

Session Classification: Simulation and Quantum Optics

Contribution ID: 13

Type: **not specified**

Thermal compensation issues: sensing and actuation

Friday, October 21, 2011 12:55 PM (30 minutes)

Presenter: FAFONE, Viviana (ROMA2)

Session Classification: High Power optics

Contribution ID: 14

Type: **not specified**

High power injection optics

Friday, October 21, 2011 12:25 PM (30 minutes)

Presenter: CANUEL, Benjamin (European Gravitational Observatory)

Session Classification: High Power optics

Contribution ID: 15

Type: **not specified**

Quantum optics in present and future GW experiments

Friday, October 21, 2011 2:25 PM (30 minutes)

Presenter: Dr KHALAIDOVSKI, Alexander (Albert Einstein Institute Hannover)

Session Classification: Simulation and Quantum Optics

Contribution ID: 16

Type: **not specified**

Solar Energy Mirrors

Thursday, October 20, 2011 12:30 PM (30 minutes)

Presenter: Mr PERNPEINTNER, Johannes (Institute for Solar Research)

Session Classification: Mirrors - I

Contribution ID: 17

Type: **not specified**

Laser Raman spectroscopy for the KATRIN experiment

Friday, October 21, 2011 11:55 AM (30 minutes)

Presenter: Mr FISCHER, Sebastian (Karlsruhe Institute of Technology)

Session Classification: Lasers

Contribution ID: **18**

Type: **not specified**

3D-Shape GmbH

Thursday, October 20, 2011 10:35 AM (10 minutes)

Presenter: Dr VEIT, Klaus (3D-Shape GmbH)

Session Classification: Companies presentation I

Contribution ID: 19

Type: **not specified**

Bte Bedampfungstechnik GmbH

Thursday, October 20, 2011 10:45 AM (10 minutes)

Presenter: Dr URBAN, Franz-Josef (Bte Bedampfungstechnik GmbH)

Session Classification: Companies presentation I

Contribution ID: 20

Type: **not specified**

Gooch and Housego (UK) Ltd

Thursday, October 20, 2011 10:55 AM (10 minutes)

Presenter: Dr MACKAY, Peter (Gooch and Housego (UK) Ltd)

Session Classification: Companies presentation I

Contribution ID: 21

Type: **not specified**

Heraeus Quarzglas GmbH

Thursday, October 20, 2011 11:05 AM (10 minutes)

Presenter: Dr ALTWEIN, Mark (Business Unit Manager Optics, Heraeus Quarzglas)

Session Classification: Companies presentation I

Contribution ID: 22

Type: **not specified**

KERDRY

Thursday, October 20, 2011 11:15 AM (10 minutes)

Presenter: Mr DEUBEL, Damien (KERDRY)

Session Classification: Companies presentation I

Contribution ID: 23

Type: **not specified**

Media Lario SRL

Thursday, October 20, 2011 11:25 AM (10 minutes)

Presenter: VERNANI, Dervis (Media Lario Technologies Srl)

Session Classification: Companies presentation I

Contribution ID: 24

Type: **not specified**

SELEX GALILEO Italy

Thursday, October 20, 2011 11:35 AM (10 minutes)

Presenter: Dr NOVI, Andrea (SELEX GALILEO Italy)

Session Classification: Companies presentation I

Contribution ID: 25

Type: **not specified**

BOOSTEC SAS

Friday, October 21, 2011 9:20 AM (10 minutes)

Presenter: Mr CHAILLOT, Stephane (BOOSTEC ASA)

Session Classification: Companies presentation - II

Contribution ID: 26

Type: **not specified**

CAEN SPA

Presenter: Dr VIVALDI, Franco (CAEN SPA)

Contribution ID: 27

Type: **not specified**

Coastline Optics, Inc.

Friday, October 21, 2011 9:40 AM (10 minutes)

Presenter: Mr TARDIF, John (Coastline Optics, Inc.)

Session Classification: Companies presentation - II

Contribution ID: 28

Type: **not specified**

CVI MellesGriot

Friday, October 21, 2011 9:50 AM (10 minutes)

Presenter: Mr JACKSON, Chris (CVI MellesGriot)

Session Classification: Companies presentation - II

Contribution ID: 29

Type: **not specified**

Gestione SILO srl

Friday, October 21, 2011 10:00 AM (10 minutes)

Presenter: Dr SANDRI, Paolo (Gestione SILO srl)

Session Classification: Companies presentation - II

Contribution ID: **30**

Type: **not specified**

II-VI ITALIA S.R.L.

Friday, October 21, 2011 10:10 AM (10 minutes)

Presenter: Mr BRANDO, Silvio (II-VI ITALIA S.R.L.)

Session Classification: Companies presentation - II

Contribution ID: **31**

Type: **not specified**

ZygoLOT GmbH

Friday, October 21, 2011 10:20 AM (10 minutes)

Presenter: KOEHLER, Arno (ZygoLOT GmbH)

Session Classification: Companies presentation - II

Contribution ID: 32

Type: **not specified**

Displays and Optical Technologies

Thursday, October 20, 2011 11:45 AM (10 minutes)

Presenter: Mr MA GILL, Monty (Displays and Optical Technologies)

Session Classification: Companies presentation I