

# **I.FAST Kick-off Meeting**



## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Introduction by the Project Coordinator

*Tuesday, 4 May 2021 09:25 (20 minutes)*

**Presenter:** VRETENAR, Maurizio (CERN)

**Session Classification:** Session 1

Contribution ID: 2

Type: **not specified**

## IFAST Communication Plan

*Tuesday, 4 May 2021 09:45 (10 minutes)*

**Presenter:** Ms ANTONIO, Daniela (CERN)

**Session Classification:** Session 1

Contribution ID: 3

Type: **not specified**

## Internal Communication and Administration

*Tuesday, 4 May 2021 09:55 (10 minutes)*

**Presenters:** STAVREV, Svetlomis (CERN); TORIMS, Toms (Riga Technical University (LV)); FOKA, Yiota (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

**Session Classification:** Session 1

Contribution ID: 4

Type: **not specified**

## **Training, Communication and outreach: Report from WP2**

**Presenter:** BURROWS, Philip Nicholas (University of Oxford (GB))

**Session Classification:** Session 1

Contribution ID: 5

Type: **not specified**

## Industry Engagement: Report from WP3

*Tuesday, 4 May 2021 10:05 (15 minutes)*

**Presenter:** MORANDIN, Mauro (Universita e INFN, Padova (IT))

**Session Classification:** Session 1

Contribution ID: 6

Type: **not specified**

## **WP4: Managing Innovation, New Materials**

**Presenter:** LOSASSO, Marcello (CERN)

**Session Classification:** Session 2

Contribution ID: 7

Type: **not specified**

## WP5: Pushing Accelerator Frontiers

*Tuesday, 4 May 2021 11:10 (15 minutes)*

**Presenter:** ZIMMERMANN, Frank (CERN)

**Session Classification:** Session 2



Contribution ID: 8

Type: **not specified**

## **WP6: Novel Particle Accelerators Concepts and Technologies**

*Tuesday, 4 May 2021 11:50 (15 minutes)*

**Presenter:** ASSMANN, Ralph Wolfgang (DESY)

**Session Classification:** Session 2

Contribution ID: 9

Type: **not specified**

## Welcome Address

*Tuesday, 4 May 2021 09:00 (10 minutes)*

**Presenter:** LAMONT, Mike (CERN)

**Session Classification:** Session 1

Contribution ID: **10**

Type: **not specified**

## Introduction by the EC Officer

*Tuesday, 4 May 2021 09:10 (15 minutes)*

**Presenter:** POSTIGO MCLAUGHLIN, Patricia (European Commission)

**Session Classification:** Session 1

Contribution ID: **11**

Type: **not specified**

## **WP5: Muon Colliders Strategy Network**

*Tuesday, 4 May 2021 11:25 (15 minutes)*

**Presenter:** PASTRONE, Nadia (Universita e INFN Torino (IT))

**Session Classification:** Session 2

Contribution ID: 12

Type: **not specified**

## WP5: Improvement of Slow Extraction

*Tuesday, 4 May 2021 11:40 (10 minutes)*

**Presenter:** FORCK, Peter (GSI)

**Session Classification:** Session 2

Contribution ID: 13

Type: **not specified**

## WP6: Lasers for Plasma Accelerators

*Tuesday, 4 May 2021 12:05 (10 minutes)*

**Presenter:** Dr GIZZI, Leonida Antonio (Leo) (CNR, Istituto Nazionale di Ottica, Pisa, Italy)

**Session Classification:** Session 2

Contribution ID: 14

Type: **not specified**

## **WP6: Multi-scale Targets for Laser-plasma Accelerators**

*Tuesday, 4 May 2021 12:15 (10 minutes)*

**Presenter:** THAURY, Cedric (CNRS)

**Session Classification:** Session 2

Contribution ID: 15

Type: **not specified**

## **WP6: Laser Focal Spot Stabilization for Compact Plasma Accelerators**

*Tuesday, 4 May 2021 12:25 (10 minutes)*

**Presenter:** MATHIEU, Francois (CNRS)

**Session Classification:** Session 2



Contribution ID: **16**

Type: **not specified**

## WP7: Ultra-low Emittance Rings

*Tuesday, 4 May 2021 14:00 (10 minutes)*

**Presenter:** BARTOLINI, Riccardo (DESY)

**Session Classification:** Session 3

Contribution ID: 17

Type: **not specified**

## WP7: Longitudinally Variable Dipole

*Tuesday, 4 May 2021 14:10 (10 minutes)*

**Presenter:** PAPAPHILIPPOU, Yannis (CERN)

**Session Classification:** Session 3

Contribution ID: **18**

Type: **not specified**

## **WP7: C-band Very High Gradient Guns**

*Tuesday, 4 May 2021 14:20 (10 minutes)*

**Presenter:** ALESINI, David

**Session Classification:** Session 3

Contribution ID: **19**

Type: **not specified**

## **WP7: Compact Light Prototype Structures**

*Tuesday, 4 May 2021 14:30 (10 minutes)*

**Presenter:** D'AURIA, Gerardo (Elettra Trieste)

**Session Classification:** Session 3

Contribution ID: 20

Type: **not specified**

## WP8: Innovative Superconducting Magnets

*Tuesday, 4 May 2021 14:40 (20 minutes)*

**Presenter:** ROSSI, Lucio (Università degli Studi e INFN Milano (IT))

**Session Classification:** Session 3

Contribution ID: 21

Type: **not specified**

## **WP8: development of ReBCO HTS Nuclotron Cable (TBC)**

*Tuesday, 4 May 2021 15:00 (10 minutes)*

**Presenter:** WINKLER, Tiemo (GSI)

**Session Classification:** Session 3

Contribution ID: 22

Type: **not specified**

## **WP9: Innovative Superconducting Thin Film Coated Cavities**

*Tuesday, 4 May 2021 15:10 (20 minutes)*

**Presenter:** Dr MALYSHEV, Oleg (STFC Daresbury Laboratory)

**Session Classification:** Session 3

Contribution ID: 23

Type: **not specified**

## **WP10: Advanced Accelerator Technologies (Additive manufacturing, coatings)**

*Tuesday, 4 May 2021 15:45 (20 minutes)*

**Presenter:** Prof. TORIMS, Toms (Riga Technical University (LV))

**Session Classification:** Session 4



Contribution ID: 24

Type: **not specified**

## **WP10: MACHine Learning Techniques for Accelerator and Target Diagnostics**

*Tuesday, 4 May 2021 16:10 (10 minutes)*

**Presenter:** SHEA, Thomas (ESS)

**Session Classification:** Session 4

Contribution ID: 25

Type: **not specified**

## **WP10: Development of Electro-optical Waveguide Sensors**

*Tuesday, 4 May 2021 16:20 (10 minutes)*

**Presenter:** GIBSON, Stephen (Royal Holloway, University of London)

**Session Classification:** Session 4

Contribution ID: 26

Type: **not specified**

## **WP11: Sustainable Concepts and Technologies**

*Tuesday, 4 May 2021 16:30 (10 minutes)*

**Presenter:** SEIDEL, Mike (PSI)

**Session Classification:** Session 4

Contribution ID: 27

Type: **not specified**

## WP11: High Efficiency Klystron Prototype

*Tuesday, 4 May 2021 16:40 (10 minutes)*

**Presenter:** JENSEN, Erk (CERN)

**Session Classification:** Session 4

Contribution ID: 28

Type: **not specified**

## WP11: Permanent Magnet Quadrupoles

*Tuesday, 4 May 2021 16:50 (10 minutes)*

**Presenter:** Mr SHEPHERD, Ben

**Session Classification:** Session 4

Contribution ID: 29

Type: **not specified**

## **WP12: Strategy for Implementing new Societal Applications**

*Tuesday, 4 May 2021 17:00 (10 minutes)*

**Presenter:** EDGECOCK, Rob

**Session Classification:** Session 4

Contribution ID: 30

Type: **not specified**

## **WP12: Design of Advanced Electron Accelerator Plant for Biohazard Treatment**

*Tuesday, 4 May 2021 17:10 (10 minutes)*

**Presenter:** CHMIELEWSKI, Andrzej G (Institute of Nuclear Chemistry and Technology)

**Session Classification:** Session 4

Contribution ID: **31**

Type: **not specified**

## **WP12: Internal RF Ion Source for Cyclotrons**

*Tuesday, 4 May 2021 17:20 (10 minutes)*

**Presenters:** PEREZ, Jose M (CIEMAT); VARELA, Rodrigo (CIEMAT)

**Session Classification:** Session 4



Contribution ID: 32

Type: **not specified**

## WP13: Technology Infrastructure

*Tuesday, 4 May 2021 17:30 (20 minutes)*

**Presenter:** LERAY, Sylvie (CEA)

**Session Classification:** Session 4

Contribution ID: 33

Type: **not specified**

## **WP13: New RF Amplifiers based on GaN Semiconductors**

*Tuesday, 4 May 2021 17:50 (10 minutes)*

**Presenter:** Dr DANCILA, Dragos (Uppsala University)

**Session Classification:** Session 4

Contribution ID: 34

Type: **not specified**

## **WP4: Managing Innovation, New Materials**

*Tuesday, 4 May 2021 10:20 (20 minutes)*

**Presenter:** LOSASSO, Marcello (CERN)

**Session Classification:** Session 1

Contribution ID: 35

Type: **not specified**

## **WP2: Training, Communication and Outreach**

*Tuesday, 4 May 2021 10:55 (15 minutes)*

**Presenter:** BURROWS, Philip Nicholas (University of Oxford (GB))

**Session Classification:** Session 2

Contribution ID: 36

Type: **not specified**

## Concluding remarks

*Tuesday, 4 May 2021 18:00 (10 minutes)*

**Presenter:** VRETENAR, Maurizio (CERN)

**Session Classification:** Session 4

Contribution ID: 37

Type: **not specified**

**Group Picture: Please switch off your camera if you do not want to appear on the group picture.**

*Tuesday, 4 May 2021 10:40 (5 minutes)*

Contribution ID: 38

Type: **not specified**

## **WP10: Photon Simulated Desorption (PSD) from NEG coatings for accelerator vacuum chambers**

**Presenter:** MALYSHEV, Oleg (STFC Daresbury Laboratory)

**Session Classification:** Session 3

Contribution ID: 39

Type: **not specified**

## **WP10: Photon Simulated Desorption (PSD) from NEG coatings for accelerator vacuum chambers**

*Tuesday, 4 May 2021 16:05 (5 minutes)*

**Presenter:** MALYSHEV, Oleg (STFC Daresbury Laboratory)

**Session Classification:** Session 4