

# **Advanced Medical Imaging with Synchrotron and Compton X-ray Sources**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Welcome address

**Presenters:** Dr BRUNI, G. (INFN Bologna); Dr BRUNI, Graziano

Contribution ID: 2

Type: **not specified**

## **Beam dynamics at DIFA and the Bologna initiative**

**Presenters:** Prof. TURCHETTI, Giorgio; Prof. TURCHETTI (DIFA Bologna)

Contribution ID: 3

Type: **not specified**

## **Brilliant Monochromatic X-rays at the Munich Compact Light Source**

**Presenter:** ACHTERHOLD, K. (TUM)

Contribution ID: 4

Type: **not specified**

## Welcome address

**Presenter:** Dr BRUNI, G. (INFN Bologna )

Contribution ID: 5

Type: **not specified**

## Welcome address

*Thursday, 21 November 2019 11:30 (10 minutes)*

**Presenter:** .

Contribution ID: 6

Type: **not specified**

## **Overview and perspectives of compact ICS sources**

*Thursday, 21 November 2019 11:40 (20 minutes)*

**Presenter:** TURCHETTI, Giorgio (DIFA UniBo)

Contribution ID: 7

Type: **not specified**

## **Brilliant Monochromatic X-rays at the Munich Compact Light Source**

*Thursday, 21 November 2019 12:00 (30 minutes)*

**Presenter:** ACHTERHOLD, K. (TUM)



Contribution ID: **8**

Type: **not specified**

## **The ThomX ICS source**

*Thursday, 21 November 2019 12:30 (30 minutes)*

**Presenter:** DUPRAZ , K. (LAL Orsay)

Contribution ID: 9

Type: **not specified**

## Quick lunch

*Thursday, 21 November 2019 13:00 (1 hour)*

Contribution ID: **10**

Type: **not specified**

## **MariX/BriXS Design Study**

*Thursday, 21 November 2019 14:00 (30 minutes)*

**Presenter:** SERAFINI, L. (INFN Milano)

Contribution ID: 11

Type: **not specified**

## **Advances in nonlinear inverse Compton scattering physics and technology at UCLA**

*Thursday, 21 November 2019 14:30 (30 minutes)*

**Presenter:** ROSENZWEIG, J. (UCLA)

Contribution ID: 12

Type: **not specified**

## **Laser-driven particle and photon sources for medical applications at ILIL-CNR**

*Thursday, 21 November 2019 15:00 (30 minutes)*

**Presenter:** LABATE , L. (ILIL-CNR Pisa)

Contribution ID: 13

Type: **not specified**

## **Coffe break**

*Thursday, 21 November 2019 15:30 (30 minutes)*

Contribution ID: 14

Type: **not specified**

## **PRELUDE: Preclinical tool for advanced translational research with ultra-short and ultra-intense X-ray pulses**

*Thursday, 21 November 2019 16:00 (30 minutes)*

**Presenter:** PANETTA, D. (CNR-IFC Pisa)

Contribution ID: 15

Type: **not specified**

## **AREAL Facility: Status and Plans**

*Thursday, 21 November 2019 16:30 (30 minutes)*

**Presenter:** GRIGORYAN, B. (CANDLE SRI)



Contribution ID: **16**

Type: **not specified**

## **The STAR project**

*Thursday, 21 November 2019 17:00 (30 minutes)*

**Presenter:** BACCI, A. (INFN MI)

Contribution ID: 17

Type: **not specified**

## **BoCXS: a Compact X-ray Source for the Bologna Metropolitan Area**

*Thursday, 21 November 2019 17:30 (30 minutes)*

**Presenter:** PLACIDI, M. (CERN ret.)

Contribution ID: **18**

Type: **not specified**

## Quick lunch

Contribution ID: **19**

Type: **not specified**

## Welcome address

**Presenter:** LANDINI, M. P. (Istituti Rizzoli)

Contribution ID: 20

Type: **not specified**

## **BoCXS: short summary**

**Presenter:** PLACIDI, Massimo (CERN ret.)

Contribution ID: **21**

Type: **not specified**

## Quick lunch

*Friday, 22 November 2019 12:00 (1 hour)*

Contribution ID: 22

Type: **not specified**

## Welcome address

**Presenter:** LANDINI, M. P.

Contribution ID: 23

Type: **not specified**

## **BoCXS: short summary**

**Presenter:** PLACIDI, M. (CERN ret.)



Contribution ID: 24

Type: **not specified**

## Welcome address

*Friday, 22 November 2019 13:00 (10 minutes)*

**Presenter:** LANDINI, M. P. (Istituti Rizzoli)

Contribution ID: 25

Type: **not specified**

## **BoCXS short summary**

*Friday, 22 November 2019 13:10 (20 minutes)*

**Presenter:** PLACIDI, Massimo (CERN ret.)

Contribution ID: 26

Type: **not specified**

## **Medical imaging research and spectroscopy at the MuCLS**

*Friday, 22 November 2019 13:30 (30 minutes)*

**Presenter:** GUNTER, B. (TUM Munich)

Contribution ID: 27

Type: **not specified**

## **In vivo X-ray imaging at the MuCLS**

*Friday, 22 November 2019 14:00 (30 minutes)*

**Presenter:** DIEROLF, M. (TUM Munich)

Contribution ID: 28

Type: **not specified**

## **Phase contrast biomedical imaging at the SYRMEP beamline of ELECTRA**

*Friday, 22 November 2019 14:30 (30 minutes)*

**Presenter:** TROMBA, G. (ELETTRA Trieste)

Contribution ID: 29

Type: **not specified**

## **X-ray imaging of the skeleton: a review of clinical and research applications**

*Friday, 22 November 2019 15:00 (30 minutes)*

**Presenter:** BARUFFALDI, F. (Istituti Rizzoli Bologna)

Contribution ID: **30**

Type: **not specified**

## **Coffe break**

*Friday, 22 November 2019 15:30 (30 minutes)*

Contribution ID: 31

Type: **not specified**

## **X-ray medical imaging at Azienda USL-IRCCS Reggio Emilia**

*Friday, 22 November 2019 16:00 (30 minutes)*

**Presenter:** BERTOLINI, M. (IRCCS Reggio Emilia)



Contribution ID: 32

Type: **not specified**

## **Potential applications of ICS in Biomedical imaging**

*Friday, 22 November 2019 16:30 (30 minutes)*

**Presenter:** TAIBI, A. (UniFe)

Contribution ID: 33

Type: **not specified**

## **Start of art and optimization perspectives for breast imaging**

*Friday, 22 November 2019 17:00 (30 minutes)*

**Presenter:** CALANDRINO, R. (IRCCS San Raffaele Milano)

Contribution ID: 34

Type: **not specified**

## **Round table discussion and summary**

*Friday, 22 November 2019 17:30 (1 hour)*

Contribution ID: 35

Type: **not specified**

## Closing remarks

*Friday, 22 November 2019 18:30 (5 minutes)*

**Presenter:** TURCHETTI, G. (UniBo Bologna)

Contribution ID: **36**

Type: **not specified**

## **Discussion**

*Thursday, 21 November 2019 18:00 (30 minutes)*