

# **2nd workshop on Applications of Dielectric Laser Accelerators**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## **09:00 –09:10 Welcome –Byer**

*Tuesday 26 March 2019 09:00 (10 minutes)*

**Presenter:** Prof. BYER, Robert L. Byer (Stanford University)

**Session Classification:** Introduction

Contribution ID: 1

Type: **not specified**

## **09:10 –09:40 Applications for a Laser Driven Accelerator on a Chip –Joel England**

*Tuesday 26 March 2019 09:10 (30 minutes)*

**Presenter:** Dr ENGLAND, Joel (SLAC)

**Session Classification:** Introduction

Contribution ID: 2

Type: **not specified**

## **Ultrafast electron diffraction and microscopy (UED & UEM)**

*Tuesday 26 March 2019 10:05 (25 minutes)*

**Presenter:** LI, Renkai

**Session Classification:** Topic group 1 –High-brightness DLA beam and its applications

Contribution ID: 3

Type: **not specified**

## Discussion

*Tuesday 26 March 2019 10:30 (10 minutes)*

**Session Classification:** Topic group 1 –High-brightness DLA beam and its applications

Contribution ID: 4

Type: **not specified**

## **Modulation of electron beams for pulsed FEL schemes**

*Tuesday 26 March 2019 11:00 (25 minutes)*

**Presenter:** Mr HERMANN, Benedikt (Paul-Scherrer-Institute)

**Session Classification:** Topic group 2: Radiation Generation from DLA

Contribution ID: 5

Type: **not specified**

## **Short-Wavelength Radiation from a Dielectric Undulator**

*Tuesday 26 March 2019 11:25 (25 minutes)*

**Presenter:** ODY, Alexander (SLAC)

**Session Classification:** Topic group 2: Radiation Generation from DLA

Contribution ID: 6

Type: **not specified**

## Discussion

*Tuesday 26 March 2019 11:50 (10 minutes)*

**Session Classification:** Topic group 2: Radiation Generation from DLA



Contribution ID: 7

Type: **not specified**

## **Application of Microbeams of Ionization Radiation**

**Primary author:** Dr KOYAMA, Kazuyoshi (KEK)

**Presenter:** Dr KOYAMA, Kazuyoshi (KEK)

Contribution ID: 8

Type: **not specified**

## Unconfirmed

**Presenter:** ABEL, Eric

Contribution ID: 9

Type: **not specified**

## **Direct electron radiation oncology methods**

**Presenter:** FAHIMIAN, Benjamin

Contribution ID: **10**

Type: **not specified**

## Discussion

Contribution ID: **11**

Type: **not specified**

## **Photonic coupling in nanostructures and prospects for attosecond electron bunches**

*Tuesday 26 March 2019 15:40 (30 minutes)*

**Primary author:** Dr VAMPA, Giulio (SLAC)

**Presenter:** Dr VAMPA, Giulio (SLAC)

**Session Classification:** Topic group 4: Scientific and Industrial Applications

Contribution ID: 12

Type: **not specified**

## **Potential application of DLA light source in UV region**

*Tuesday 26 March 2019 16:10 (30 minutes)*

**Presenter:** HIRANO, Tomohiko

**Session Classification:** Topic group 4: Scientific and Industrial Applications

Contribution ID: 13

Type: **not specified**

## **Potential application of DLA light source in UV region**

**Presenter:** Dr HIRANO, Tomohiko (HAMAMATSU PHOTONICS K.K.)

Contribution ID: 14

Type: **not specified**

## Nanotip electron sources for DLA

*Tuesday 26 March 2019 09:40 (25 minutes)*

**Primary author:** CEBALLOS, Andrew (Stanford)

**Presenter:** CEBALLOS, Andrew (Stanford)

**Session Classification:** Topic group 1 –High-brightness DLA beam and its applications



Contribution ID: 15

Type: **not specified**

## **Requirements for Ultrafast Imaging and X-Ray Holography**

*Tuesday 26 March 2019 16:40 (20 minutes)*

**Presenter:** Dr GORKHOVER, Taisia (PULSE Institute)

**Session Classification:** Topic group 4: Scientific and Industrial Applications

Contribution ID: **16**

Type: **not specified**

# **Application of Microbeams of Ionization Radiation**

*Tuesday 26 March 2019 14:00 (30 minutes)*

**Presenter:** KOYAMA, Kazuyoshi

**Session Classification:** Topic group 3 –Biomedical applications

Contribution ID: 17

Type: **not specified**

## **DLA devices in the clinic : The next generation of radiosurgery**

*Tuesday 26 March 2019 13:30 (30 minutes)*

**Presenter:** ABEL, Eric

**Session Classification:** Topic group 3 –Biomedical applications

Contribution ID: **18**

Type: **not specified**

## **Direct electron radiation oncology methods**

*Tuesday 26 March 2019 14:30 (30 minutes)*

**Presenter:** FAHIMIAN, Benjamin

**Session Classification:** Topic group 3 –Biomedical applications

Contribution ID: **19**

Type: **not specified**

## Discussion

*Tuesday 26 March 2019 15:00 (20 minutes)*

**Session Classification:** Topic group 3 –Biomedical applications