



# 6<sup>th</sup> ADAMAS Workshop

## Croatian Academy of Sciences and Arts

### Zagreb, 27 – 28 November 2017

# A G E N D A

**Workshop venue changed ⇒ NEW Venue ⇒ Nikola Šubić Zrinski Square 11**

**Monday, 27.11., 9:00 ⇒ Meeting: Location ⇒ Great Hall**

<b>9:00</b>	Registration		
<b>9:15</b>	Welcome	Milko Jakšić, Mladen Kiš	
<b>Session I ⇒ Neutron detection</b>		<i>Chair: Alexander Oh</i>	
9:25	CIVIDEC status 2017	Erich Griesmayer	(CIVIDEC)
9:50	Neutron diagnostics with diamond detectors	Christina Weiss	(CIVIDEC)
<b>10:15</b>	<b>Coffee Break (30 min)</b>		
<b>10:45</b>	Particle identification with ROSY	Pavel Kavrigin	(CIVIDEC)
11:10	Development of pixelated diamond detectors for neutron imager	Clément Lynde	(CEA-LIST)
11:35	Neutron spectrometer based on diamond detectors for fast reactors	Mikhail Osipenko	(INFN)
12:00	Developments towards a large area beam tagging hodoscope for hadron therapy	Denis Dauvergne	(LPSC)
<b>12:25</b>	<b>Lunch (1 h 20 min)</b>		
<b>Session II ⇒ Detector applications</b>		<i>Chair: Michal Pomorski</i>	
<b>13:45</b>	Recent progress of 3D Diamond detectors	Alexander Oh	(Univ. Manchester)
14:10	Strange results from synchrotron radiofrequency beam position measurements from sc-CVD diamond detectors at DLS	Chris Bloomer	(DLS)
14:35	Diamond timing detectors in TOTEM and CT-PPS at the LHC	Tiina Naaranoja	(HIP)
15:00	Development of a CVD diamond detector with interdigitated electrodes for TOF measurements of low-energy ion bunches	Witold Cayzac	(ENS Saclay)
<b>15:25</b>	<b>Guided visit to the Academy Gallery and Coffee Break (65 min)</b>		
<b>16:30</b>	The ultrafast dE-ToF single crystal diamond detector	Olga Beliuskina	(CNS, Univ. Tokyo)
16:55	Performance of CVD Diamond Detectors Irradiated by Carbon Beams	Fabio Schirru	(GSI)
17:20	Cryogenic Beam Loss Monitors for the High Luminosity Large Hadron Collider	Marcin Bartosik	(CERN)

17:45	Development of diamond detectors for HADES	Georgy Kornakov (TU Darmstadt)
18:10	Development of bump bonding process for pixelated diamond sensors	Diego Alejandro Sanz Becerra (ETHZ)
18:35	Walking to restaurant 20 min	

**19:00** Workshop Dinner ⇒ Restaurant “Medvedgrad”, Ilica street 49

**Tuesday, 28.12., 9:00** ⇒ Meeting: Location ⇒ Great Hall

**Session III ⇒ Thin diamond detectors** *Chair: Milko Jakšić*

<b>9:00</b>	scCVD diamond membrane detectors for radiobiological applications	Michal Pomorski (CEA-LIST)
9:40	Extreme radiation hardness and signal recovery in thin diamond detectors	Natko Skukan (RBI)
10:05	Diamond membrane microdosimeters for hadron therapy	Izabella Anna Zahradnik (CEA-LIST)

**10:30** Coffee Break (30 min)

**Session IV ⇒ Characterization and developments** *Chair: Natko Skukan*

<b>11:00</b>	edge-TCT in diamond via multi-photon absorption	Dmitry Hits (ETHZ)
11:25	Investigation of the signal behaviour in poly-crystalline CVD diamonds depending on incident particle flux	Michael Reichmann (ETHZ)
11:50	Electric Current Characteristics of Irradiated Diamond Detectors	Ivan Sudić (RBI)
12:15	Progress in development of DoI	Mladen Kiš (GSI)

**12:40** Closing remarks

**12:45** End of the Workshop

Visit to RBI facility (to be announced)



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