

# **HORIZON 2020 RISE-PEARL *"Periodically Bent Crystals for Crystalline Undulators"***

Project Workshop

Courtyard by Marriott St. Petersburg, Russia  
April 26 - 27, 2019



**ANNOUNCEMENT**

## Scope

The Workshop “Periodically Bent Crystals for Crystalline Undulators” will be held within the framework of the PEARL Project in Sankt Petersburg, Russia during April 26-27, 2019 at the **Courtyard by Marriott St. Petersburg**.

The workshop of the PEARL project will focus on the evaluation of the overall progress of the project (the work carried out within the work packages, the milestones and deliverables, the secondments executed), on the project management, dissemination/outreach activities, impact (scientific, technical, social, commercial, environmental) as well as on the discussion of all other issues relevant to the project.

## PEARL Meeting 2019 Program

### Friday, 26 April 2019

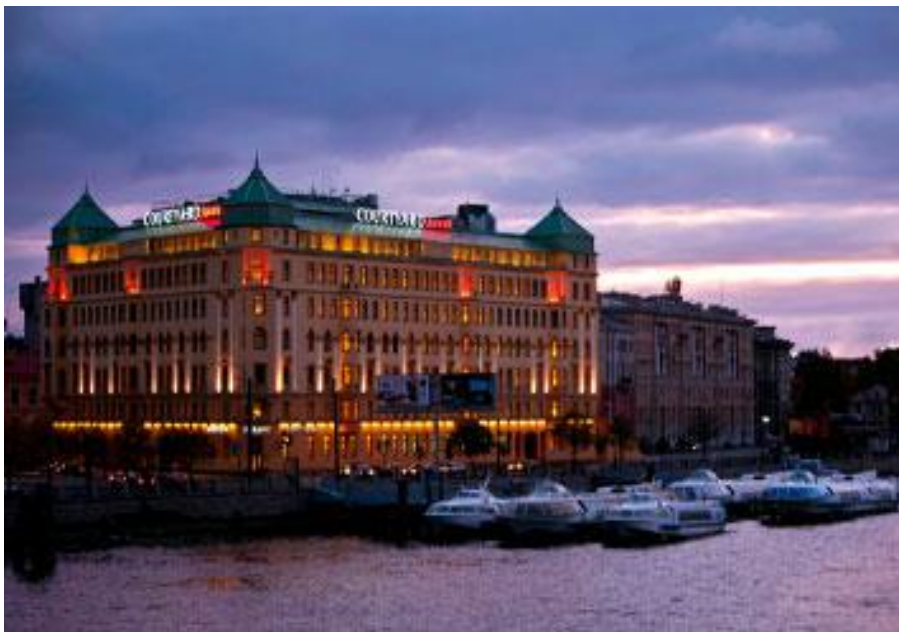
9 <sup>30</sup> - 9 <sup>40</sup>	<b>PEARL Workshop Opening</b> <b>Andrey V. Solov'yov (MBN Research Center)</b>
9 <sup>40</sup> - 10 <sup>20</sup> 10 <sup>20</sup> - 11 <sup>00</sup>	<b>Andrey V. Solov'yov (MBN Research Center):</b> <i>Oriented crystal based light sources: current status and future developments</i> <b>Vincenzo Guidi (UNIFE):</b> <i>Recent developments on axial channeling</i>
11 <sup>00</sup> - 11 <sup>30</sup>	<b>Coffee break</b>
11 <sup>30</sup> - 12 <sup>00</sup> 12 <sup>00</sup> - 12 <sup>40</sup> 12 <sup>40</sup> - 13 <sup>00</sup>	<b>Werner Lauth (Uni-Mainz):</b> <i>Status report of undulator experiments at the Mainz Microtron MAMI</i> <b>Andrei Korol (MBN Research Center):</b> <i>Crystalline undulator based light source</i> <b>Hartmut Backe (Uni-Mainz):</b> <i>Is the analytical approach to the channeling phenomenon outdated?</i>
13 <sup>00</sup> - 14 <sup>30</sup>	<b>Lunch</b>
14 <sup>30</sup> - 15 <sup>10</sup> 15 <sup>10</sup> - 15 <sup>50</sup>	<b>Andrea Mazzolari (INFN):</b> <i>Design and manufacturing of bent crystals for collimation of the Large Hadron Collider</i> <b>Alexander Pavlov and Vadim Ivanov (SPb-PTU):</b> <i>Channeling and radiation by electrons and positrons in diamond (110)</i>
15 <sup>50</sup> - 16 <sup>10</sup>	<b>Coffee break</b>
16 <sup>10</sup> - 18 <sup>00</sup>	<b>Management committee meeting</b>
19 <sup>00</sup> - 21 <sup>00</sup>	<b>Dinner at the Vladimir Palace (Russian: Влади́мирский дворе́ц) Palace Embankment, 26.</b>

### Saturday, 27 April 2019

9 <sup>20</sup> - 10 <sup>00</sup> 10 <sup>00</sup> - 10 <sup>40</sup> 10 <sup>40</sup> - 11 <sup>20</sup>	<b>Nigel J. Mason (Open University):</b> <i>Experiments in molecular fragmentation and nanostructure formation- a test bed for MBN Explorer</i> <b>Pablo de Vera (MBN Research Center):</b> <i>MBN Explorer applications in radiation research: simulating radiation effects in materials</i> <b>Vasily Shaginyan (SPb Inst. Nucl. Phys.):</b> <i>Flat bands, baryon asymmetry of Universe, and the violation of time-reversal symmetry</i>
11 <sup>20</sup> - 11 <sup>40</sup>	<b>Coffee break</b>
11 <sup>40</sup> - 13 <sup>00</sup> 13 <sup>00</sup> - 14 <sup>00</sup>	<b>Round table discussion. Workshop closing</b>
14 <sup>30</sup>	<b>Lunch</b>
	<b>Hermitage tour- we will start together from the hotel.</b>

## ***Conference Venue and Travel Information***

The conference will be hosted by Courtyard by Marriott St. Petersburg Vasilievsky Hotel, 2nd line of Vasilievsky Island 61/30A, St. Petersburg, Russia 199178. The photo shows the main building of the hotel.



The nearest metro station is **“Sportivnaya”**.

St. Petersburg is served by the Pulkovo airport. Pulkovo terminal is connected with the nearest metro station “Moskovskaya” (Line 2) by municipal bus 39. You should buy a ticket inside the bus.

Taxi from the airport to the conference hotel costs ~ €25. We strongly recommend the participants to order the “official” taxi at the desk in the arrival hall of the airport.

### ***Contact Information:***

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