

# OIST Mini-Symposium Spatial Adiabatic Passage

## Wednesday 25<sup>th</sup> May 2016

08:45 - 09:00 Opening

09:00 - 10:00 **Veronica Ahufinger**

*Spatial adiabatic passage: light, sound and matter waves*

10:00 - 11:00 **Nikolay Vitanov**

*A quantum optics perspective to spatial adiabatic passage*

11:00 - 11:30 Coffee Break

11:30 - 12:30 **Shintaro Taie**

*Spatial Adiabatic Passage of Ultracold Atoms in an Optical Lieb Lattice*

12:30 - 14:30 Discussion and Lunch

14:30 - 15:30 **Enrico Prati**

*TBA*

15:30 - 16:00 Tea Break

16:00 - 17:00 **Xi Chen**

*Fast and robust quantum state control by shortcuts to adiabaticity*

17:00 - 18:30 Discussion Time

19:00 - Working Dinner

## Thursday 26<sup>th</sup> May 2016

09:00 - 10:00 **Albert Benseny**

*SAP beyond STIRAP: interactions, higher dimensions and shortcuts*

10:00 - 11:00 **Adolfo del Campo**

*TBA*

11:00 - 11:30 Coffee Break

11:30 - 12:30 **Valentin Nesterenko**

*Spatial adiabatic passage and Josephson effect for Bose-Einstein condensate in a double-well trap*

12:30 - 14:30 Discussion and Lunch

14:30 - 15:30 **Germano Montemezzani**

*Spatial adiabatic passage of light in waveguide structures*

15:30 - 16:00 Tea Break

16:00 - 18:00 Lab Visits @ OIST

18:30 - 20:20 Working Dinner ( Taxi at 20:30 OIST→SH/ Rizzan Hotel)

## **Friday 27<sup>th</sup> May 2016**

09:00 - 10:00 **Andrew Greentree**

*TBA*

10:00 - 11:00 **Sigmund Kohler**

*Steady-state adiabatic passage, electron transport, and shot noise*

11:00 - 11:30 Coffee Break

11:30 - 12:30 Discussion Time: Future of the area

12:30 - 14:30 Discussion and Lunch

14:30 - Specific Discussions, additional Lab visits, possible short excursion

19:00 - Working Dinner