



Contribution ID: 63

Type: Oral Presentation

NON-SPECIALIST: Laser spectroscopy of natural light harvesting: unravel, regulate and control

Wednesday, 10 July 2013 16:00 (40 minutes)

**Abstract content
 (Max 300 words)**

Laser spectroscopy is a powerful tool to investigate fundamental physical processes in biological systems by providing an unprecedented wealth of information. This presentation will demonstrate how different time-resolved spectroscopy techniques have been combined over the past two decades to give a complete description of natural light harvesting on the molecular level. Insights into the remarkable efficiency and regulation of these processes can be obtained by using techniques ranging from ultrafast (femtosecond) spectroscopy to single-molecule spectroscopy. The principle of coherently controlling the underlying quantum dynamics in these systems will be introduced, a goal that will contribute significantly to the advancement of the next generation of solar cells.

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No

**Would you like to
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 Proceedings (Yes / No)?**

No

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