

## Photophysics, Photochemistry and Photobiology

This course provides an overview of experimental aspects of optical spectroscopy, and the application to a variety of systems, with examples ranging from inorganic/molecular to biological/medical fields.

### Format of the course:

This is an interactive course: During five afternoons, a combination of lectures and hands-on exercises will be given. Workshops will be devoted to exercises, topical discussion, and data treatment. During the course, participants will also study a scientific paper (in small groups) and give a presentation about it on the final (sixth) day. For this, participants will also have to come up with at least one discussion question for the papers presented by the other groups.

### PPP-2021-Programme

<p><b>October 28</b> <b>(Room SP C1.112)</b></p> <p>13.00 – 15.00: Basic Molecular Photophysics and experimental Techniques. <i>Fred Brouwer</i></p> <p><b>15.00 – 15.15: coffee break</b></p> <p>15.15 – 17.15: Optical spectroscopy in forensic science <i>Maurice Aalders</i></p>	<p><b>November 2</b> <b>(CWI Congress Center Eulerzaal, 2009)</b></p> <p>13.00 – 15.00: Basic Molecular Photophysics and experimental Techniques. <i>Fred Brouwer</i></p> <p><b>15.00 – 15.15: coffee break</b></p> <p>15.15 – 17.15: Photoinduced energy and electron transfer in molecular, supramolecular and nano systems <i>René Williams</i></p>
<p><b>October 29</b> <b>(Room SP C1.112)</b></p> <p>13.00 – 15.00: Fast Spectroscopy <i>Rene Williams</i></p> <p><b>15.00 – 15.15: coffee break</b></p> <p>15.15 – 17.15: Time-resolved spectroscopy of Disordered Excitonic Systems <i>Charusheela Ramanan</i></p>	<p><b>November 3</b> <b>(Polderzaal - Café Restaurant Polder)</b></p> <p><b>Bring Laptop</b></p> <p>13.00 – 15.00: Global and target analysis of time-resolved spectra. 2 hands on practical <i>Ivo van Stokkum (online)</i></p> <p><b>15.00 – 15.15: coffee break</b></p> <p>15.15 – 17.15: Raman spectroscopy in analytical chemistry and biomedical imaging <i>Freek Ariese</i></p>
<p><b>November 1</b> <b>(Room SP D.114)</b></p> <p><b>Bring Laptop</b></p> <p>13.00 – 15.00: Molecular Modeling in Photochemistry/Photobiology <i>Francesco Buda</i></p> <p><b>15.00 – 15.15: coffee break</b></p> <p>15.15 – 17.15: Global and target analysis of time-resolved spectra. 1 methodology <i>Ivo van Stokkum (online)</i></p>	<p><b>November 12</b> <b>(CWI Congress Center Eulerzaal, 2009)</b></p> <p>13.00 – 17.00: Presentations, discussion of scientific papers. After 17.00: Drinks in Polder</p>