

# 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-2019-Programme

<p><b>Friday October 18</b> <b>Room SP C1.112</b></p> <p>13.00 – 15.00: Basic Molecular Photophysics and experimental Techniques. <i>Fred Brouwer</i> <b>15.00 – 15.15: coffee break at Room D.116</b> 15.15 – 17.15: Basic Molecular Photophysics and experimental Techniques. <i>Fred Brouwer</i></p>	<p><b>Wednesday October 23</b> <b>Room SP G0.05</b></p> <p>13.00 – 15.00: Optical spectroscopy in forensic science <i>Maurice Alders</i> <b>15.00 – 15.15: coffee break</b> 15.15 – 17.15: Photoinduced energy and electron transfer in molecular, supramolecular and nano systems <i>René Williams</i></p>
<p><b>Monday October 21</b> <b>Room SP G0.05</b></p> <p>13.00 – 15.00: Fast Spectroscopy <i>Rene Williams</i> <b>15.00 – 15.15: coffee break</b> 15.15 – 17.15: Probing opto-electronic devices <i>Elizabeth von Hauff</i></p>	<p><b>Thursday October 24</b> <b>at VU Room T1.54 (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</i> <b>15.00 – 15.15: coffee break</b> 15.15 – 17.15: Raman spectroscopy in analytical chemistry and biomedical imaging <i>Freek Ariese</i></p>
<p><b>Tuesday October 22</b> <b>at VU Room T1.54 (Bring Laptop)</b></p> <p>13.00 – 15.00: Global and target analysis of time-resolved spectra. 1 methodology <i>Ivo van Stokkum</i> <b>15.00 – 15.15: coffee break</b> 15.15 – 17.15: Molecular Modeling in Photochemistry/Photobiology <i>Francesco Buda</i></p>	<p><b>Thursday October 31</b> <b>(Thursday-afternoon):</b> <b>CWI Congress Center Eulerzaal, Z009</b></p> <p>12.00-13.00 Lunch (Newtonzaal opposite Eulerzaal) 13.00 – 17.00: Presentations, discussion of scientific papers. After 17.00: Drinks in Polder</p>