

## Detailed program

### SUMMER SCHOOL SPEC-ATMOS

---

#### Conferences

- Jean-Marie FLAUD, LISA-Créteil (FR)

European scientific policy in Environment and Spectroscopy (1H)

[Jean-Marie.Flaud@lisa.u-pec.fr](mailto:Jean-Marie.Flaud@lisa.u-pec.fr)

<http://www.lisa.univ-paris12.fr/fr>

- Dwayne HEARD, School of chemistry-Leeds (UK)

Laser-based field measurements of OH, HO<sub>2</sub> and RO<sub>2</sub> radicals in the atmosphere, and comparisons with models

[D.E.Heard@leeds.ac.uk](mailto:D.E.Heard@leeds.ac.uk)

<http://www.chem.leeds.ac.uk/People/Heard.html>

- A. R. RAVISHANKARA, University of Colorado (USA)

Ozone depleting substances: Where have we been, where are we headed, and what could we have done different? (1H)

[A.R.Ravishankara@colostate.edu](mailto:A.R.Ravishankara@colostate.edu)

<http://www.chem.colostate.edu/people/ravishan/>

- Didier TANRE, LOA-Villeneuve d'Ascq (FR)

Aerosol radiative impact (1H)

[Didier.Tanre@univ-lille1.fr](mailto:Didier.Tanre@univ-lille1.fr)

<http://www-loa.univ-lille1.fr/>

#### Lectures

- Cathy BOONNE, IPSL-Paris (FR)

The ETHER database (1H30)

[Cathy.Boonne@ipsl.jussieu.fr](mailto:Cathy.Boonne@ipsl.jussieu.fr)

<http://www/pole-ether.fr>

- Pierre-François COHEUR, SCQP-Brussels (BE)

Satellite missions for measuring the composition of the lower atmosphere (1H00)

[pfcoheur@ulb.ac.be](mailto:pfcoheur@ulb.ac.be)

<http://scqp.ulb.ac.be/specat/>

- Christa FITTSCHEN, PC2A-Villeneuve d'Ascq (FR)

Laboratory based studies of elementary reaction important in atmospheric chemistry (1H)

[christa.fittschen@univ-lille1.fr](mailto:christa.fittschen@univ-lille1.fr)

<http://pc2a.univ-lille1.fr/>

- Muriel LEPERE, LLS-Namur (BE),

Measurements of lineshape parameters (1H00)

[muriel.lepere@unamur.be](mailto:muriel.lepere@unamur.be)  
<http://www.unamur.be>

- Wahid MELLOUKI, ICARE-Orléans (FR)  
Atmospheric simulation chambers for studying atmospheric chemistry (1H)  
[abdelwahid.mellouki@cnrs-orleans.fr](mailto:abdelwahid.mellouki@cnrs-orleans.fr)  
<http://www.icare.cnrs-orleans.fr/spip.php?rubrique1>

- Sébastien PAYAN, LATMOS-Paris (FR)  
Basics radiative transfer, inversion (3H00)  
[sebastien.payan@upmc.fr](mailto:sebastien.payan@upmc.fr)  
<http://www.latmos.ipsl.fr/>

- Bénédicte PICQUET-VARRAULT, LISA-Créteil (FR)  
Introduction into Atmospheric Chemistry (1.5H00 + 1H00)  
[benedicte.picquet-varrault@lisa.u-pec.fr](mailto:benedicte.picquet-varrault@lisa.u-pec.fr)  
<http://www.univ-paris-diderot.fr/sc/site.php?bc=recherche&np=FICHELABO&num=123D>

- Laurence REGALIA, GSMA-Reims (FR)  
IR molecular spectroscopy - Laboratory measurements (1H00)  
[laurence.regalia@univ-reims.fr](mailto:laurence.regalia@univ-reims.fr)  
[www.univ-reims.fr/gsma](http://www.univ-reims.fr/gsma)

- Marco RIDOLFI, Dipartimento di Fisica e Astronomia-Bologna (IT)  
Atmospheric retrievals (1H30)  
[marco.ridolfi@unibo.it](mailto:marco.ridolfi@unibo.it)  
<http://www.unibo.it/docenti/marco.ridolfi>

- Rémi THIEBLEMONT, GEOMAR-Kiel (DE)  
Generalities, thermodynamics, dynamics (3H00)  
[rthieblemont@geomar.de](mailto:rthieblemont@geomar.de)  
<http://www.geomar.de/en/mitarbeiter/fb1/me/rthieblemont/>

- Ha TRAN, LISA-Créteil (FR)  
Which line-shape model for representing high-resolution spectroscopic transitions? (1H30)  
[ha.tran@lisa.u-pec.fr](mailto:ha.tran@lisa.u-pec.fr)  
<http://www.lisa.u-pec.fr/~hatran>,

- Ann Carine VANDAELE, IASB-Brussels (BE)  
Mars and Venus Exploration (1H00)  
[a-c.vandaele@aeronomie.be](mailto:a-c.vandaele@aeronomie.be)  
<http://planetary.aeronomie.be>

- Jean VANDER AUWERA, SCQP-Brussels (BE)  
Principles of vibration-rotation spectroscopy (3H00)  
[jauwera@ulb.ac.be](mailto:jauwera@ulb.ac.be)  
<http://www.ulb.ac.be/cpm/>

## Tutorials

- Valéry CATOIRE, LPC2E-Orléans (FR)  
Could your molecule be detected? (1H30)  
[vcatoire@cnrs-orleans.fr](mailto:vcatoire@cnrs-orleans.fr)  
<http://www.lpc2e.cnrs-orleans.fr/>

- Laurence CROIZE, ONERA-Paris (FR)  
Radiative transfer / inversion (1H30)  
[laurence.croize@onera.fr](mailto:laurence.croize@onera.fr)  
<http://www.onera.fr/fr/dota>