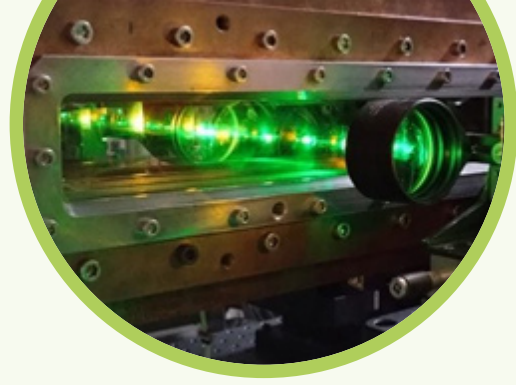




ECONOS **23th edition**

April 27th to 30th, 2025

SPONSOR BOOKLET

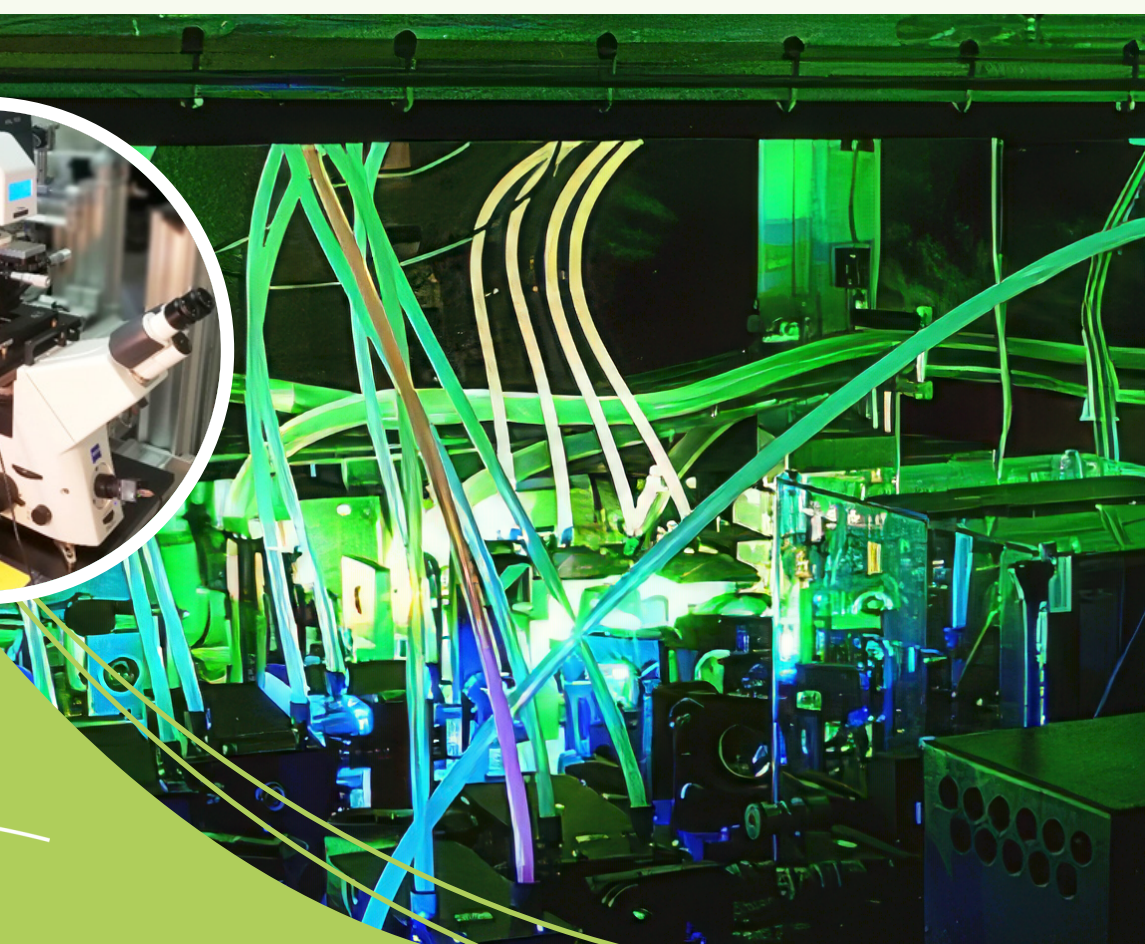


ABOUT ECONOS

The European Conference on Non-linear Optical Spectroscopy (ECONOS) brings together between 60 and 90 researchers from around the world each year in a European country for an event spread over 3 and a half days. Guest speakers give keynote-type educational presentations followed by selected oral presentations describing the state of the art of the scientific community's work and poster sessions open to all participants. This conference format promotes strong interactions and exchanges between researchers and students but also with industrial sponsors who help pave the way for future research topics thanks to innovative ideas and new technological solutions available.

From a historical point of view, it was in 1982 that the European research community working on nonlinear optical diagnostics dedicated to the investiga-

tion of the gaseous environment and combustion processes decided to meet annually during a congress entitled European CARS workshop (CARS stands for Coherent anti-Stokes Raman Scattering). In 2002, the community then expanded the scope of this conference to a wider range of nonlinear optical processes and was renamed ECONOS. Indeed, the same optical processes can be implemented to study gas flows such as combustion, living biological tissues or even nanomaterials (graphene). This broad field of application benefits all participants and allows mutual enrichment of the scientific communities to which it is aimed, as well as the construction of transversal collaborations. The techniques implemented are also multiple: developments of laser sources, microscopy, endoscopy, innovative detectors, for example, find their place in this congress.



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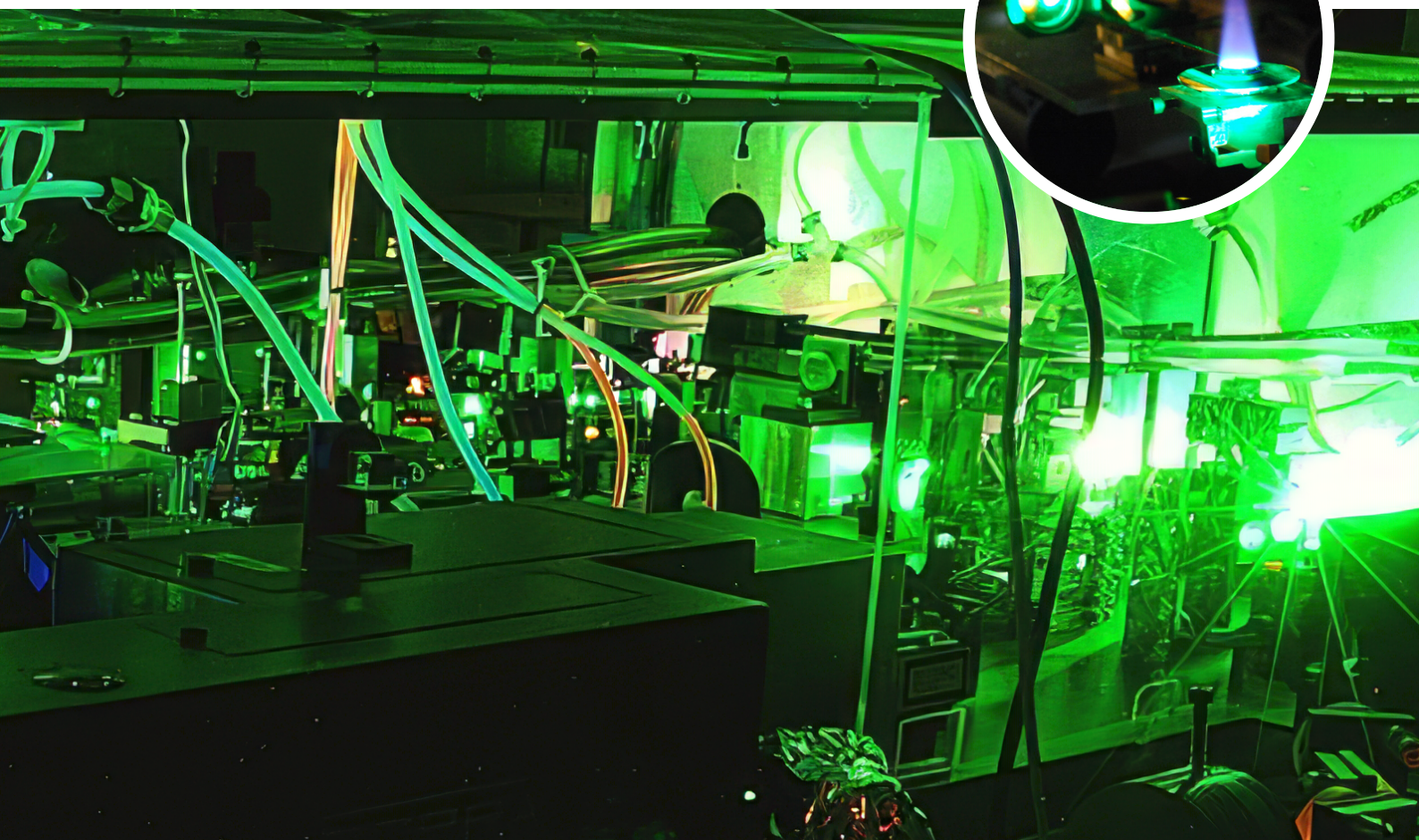


The 23TH edition by ONERA

The ONERA research laboratory is pleased to organize the 23th edition of the ECONOS conference in Meudon near Paris from April 27th to 30th, 2025. The scientific themes covered by the conference have in common the development or implementation of nonlinear optical spectroscopy methods for the study of varied media, for example:

- reactive flows: combustion, plasmas, synthesis reactors, catalysts, etc.
- non-reactive flows: wind tunnels, shock tubes, etc.
- biomedical: imaging of biological tissues (cancer detection), fundamental studies on cellular systems...
- materials: detection of species (explosives, polymers), characterization of synthetic materials (nanomaterials), etc.

The physical processes of laser/matter interactions studied mainly involve Raman scattering, mainly in its spontaneous, coherent anti-Stokes (CARS), stimulated (SRS), or amplified (SERS/TERS) forms, but also frequency mixing (SHG, SFG, DFG) or pump/probe spectroscopy. These processes are implemented to probe a medium of interest, possibly within a microscope, and characterize its state. They use various laser techniques, often based on the use of ultrashort optical pulses, their spectral and temporal shaping and their detection.



SPONSORS PACKAGES

We propose three offers for industrial suppliers to sponsor this conference. Find below in details the contents of each sponsor formula:

	Bronze	Silver	Golden	Award
Price	700 €	950 €	1400 €	+400 €
One-page color advertisement in the conference booklet	✓	✓	✓	
Your logo on a dedicated sponsor page in the booklet and on the website (with hyperlink to your website)	✓	✓	✓	
Kakemono in front of the conference room with the Sponsor logos	✓	✓	✓	
A single place to attend the conference with lunch, coffee breaks and social event (conference dinner is not included)	✓	✓	✓	
Exhibition table in a dedicated area		✓	✓	
Oral presentation (7 minutes) during the Industrial session			✓	
400 € contribution to best poster award, labelled with the company name. Award ceremony during the conference dinner.				✓



The conference will take place in the Pavillon Bellevue, a XIX century building located at Meudon, about 15 minutes from Paris Montparnasse station by train.

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ECONOS



Paris
2025

PREVISIONAL PROGRAM

The ECONOS event is spread over 3 and a half days between April 27 and 30, 2025. Invited speakers will give tutorial-style educational presentations followed by selected oral presentations describing the state of the art of the scientific community's work and poster sessions.

	Sunday	Monday	Tuesday	Wednesday
08:20		<i>Registration</i>		
08:40		<i>Coffee</i>	<i>Coffee</i>	<i>Coffee</i>
09:00		A Tutorial A1	D Tutorial D1	F Tutorial F1
09:40		Talk A2	Talk D2	Talk F2
10:00		Talk A3	Talk D3	Talk F3
10:20		<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>
10:50		B Talk B1	E Talk E4	G Talk G1
11:30		Talk B2	Talk E2	Talk G2
11:50		Talk B3	Talk E3	Talk G3
12:10		Talk B4	Talk E4	Talk G4
12:30		<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>
14:00	Arrival - registration	Poster session 1	Poster session 2	Lab tour
15:30	Welcome tutorial	I Industrial	<i>Comittee</i>	
16:10	Cocktail + speech	C Tutorial C1	Social Event	
16:50		Talk C2		
17:10		Talk C3		
17:30				
19:00			Dinner	

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<https://econos2025.sciencesconf.org/>

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