



3rd APCISS Asia-Pacific Combustion Institute Summer School

Fundamental Combustion Problems Applied to Diffusion Flames



2-7 NOVEMBER 2025 VALPARAÍSO, CHILE

Sponsors

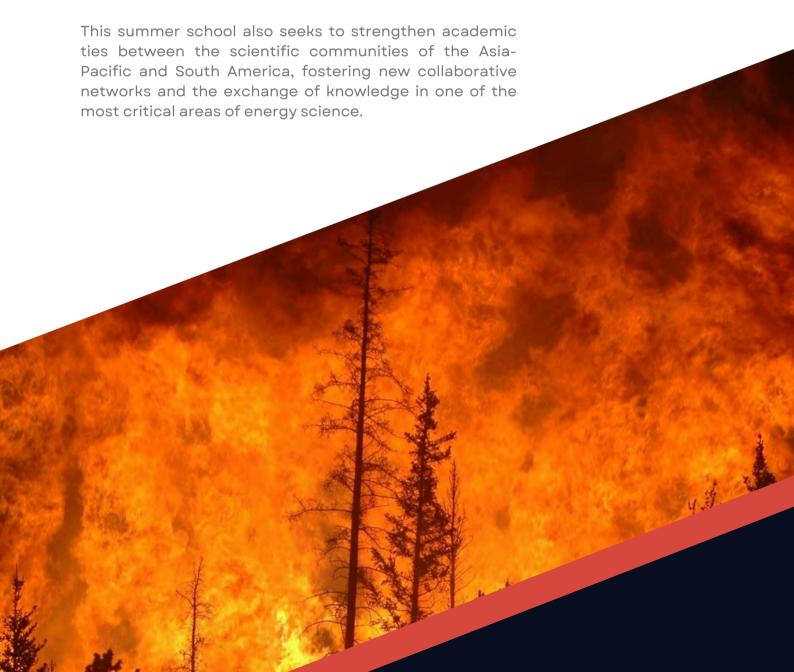






A unique opportunity for advanced learning in combustion

The third edition of the Asia-Pacific Combustion Institute Summer School (APCISS-3) is aimed at postgraduate students, researchers, and engineers interested in fundamental combustion challenges, with a focus on diffusion flames, which play a key role in real-world applications across the energy, transport, and industrial sectors.



Intensive training in combustion challenges



Masterclasses

Delivered by world-class academics from the most prestigious universities and institutions worldwide.

Practical Workshops

Focused on the modelling, simulation, and analysis of diffusion flames.

Networking Spaces

Among students, experts, and researchers from the Asia-Pacific and Latin America.

Intended for:

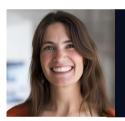
Intended for postgraduate students in engineering, physics, chemistry or related disciplines; researchers and academics interested in flame dynamics and modelling; as well as professionals from the energy and thermal process industries who wish to strengthen their scientific knowledge.

Featured Speakers APCISS-3 features renowned international experts who will share their knowledge on advanced combustion, flame dynamics, numerical modelling, heat transfer, and emissions.



Bart Merci

Universiteit Gent, Bélgica



Margaret Wooldridge

A. Carlos Fernández-

Berkeley, EEUU

University of Michigan, EEUU

University of California



Dong Zeng

FM Global, USA



Jean Louis Consalvi

Université d'Aix-Marseille, France



Gilles Parent

Université de Lorraine, France



Marek Mazur

INSA Rouen Normandie / CORIA, France



Guenther Carlos Krieger Filho

University of Sao Paulo, Brazil



Jacqueline H. Chen

Sandia National Laboratories, USA

An intensive week of training and networking

The programme offers an intensive week of masterclasses, practical workshops, parallel sessions, and networking activities. Topics covered will range from the fundamentals of combustion and flame dynamics to emerging technologies and advanced modelling, all delivered by renowned international experts.

DATE	MORNING		AFTERNOON		EVENING
SUN. 2	-	-	-	-	Welcome reception
MON. 3	Introduction to combustion challenges in fire: bridging the scale gap	Laminar diffusion flames	Turbulent diffusion flames	Radiative Heat Transfer	
	EC2G	Jacqueline Chen	Jean Louis Consalvi	Gilles Parent	
TUE. 4	Physics based reduced order models and machine learning	Fire Spread and Flammability	Emissions	Low carbon technologies	
	Jacqueline Chen	A. Carlos Fernandez- Pello	Margaret Wooldridge	Margaret Wooldridge	
WED. 5	Fire dynamics	Spectrometry and flame radiative emissions	Excursion Activity		
	Bart Merci	Gilles Parent	-		
THU. 6	Flammability testing	Fire modeling	Poster session		
	Dong Zeng	Bart Merci			
FRI. 7	Parallel session: Experimental workshop Numerical workshop		Parallel session: Experimental workshop Numerical workshop		Farewell cocktail
	Marek Mazur Gilles Parent Guenther Krieger		Marek Mazur Gilles Parent Guenther Krieger		



APCISS-3 will award scholarships to selected students, covering accommodation and access to all academic and social activities of the event. Travel expenses (air or land) from the participant's country or city of origin to Valparaíso are not included.

Scholarships will be primarily aimed at postgraduate students, and each participant will be required to commit to presenting a poster during the school.



APPLICATION DEADLINE: 5 OCTOBER 2025

All information regarding the application process and requirements is available at:

www.apciss.cl

More information:

info@apciss.cl





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