



10th School on
COMBUSTION
CI-WS 2025

CONFERENCE PROGRAM

SUNDAY, JULY 20th

16:00–17:00 REGISTRATION

Location: ADUNICAMP ①

17:00–19:00 WELCOME COCKTAIL

Location: ADUNICAMP ①

MONDAY, JULY 21st

8:30–9:00 OPENING

9:00–10:00 KEYNOTE LECTURE – Optical Diagnostics for Combustion and Reacting Flows

Dr. Simone Hochgreb

Engineering Department, Cambridge University, UK

Location: Centro de Convenções da UNICAMP (CDC) ②

10:00–10:30 COFFEE BREAK

Location: Centro de Convenções da UNICAMP (CDC) ②

10:30–12:00 SHORT COURSE – Turbulent Combustion: A Computational Perspective

Dr. Jacqueline H. Chen

Sandia National Laboratories, USA

Location: Centro de Convenções da UNICAMP (CDC) ②

12:00–13:30 Lunch

13:30–15:00 SHORT COURSE – Chemical Kinetics

Dr. Perrine Pepiot

Sibley School of Mechanical and Aerospace Engineering, Cornell University, Ithaca, NY, USA

Location: Centro de Convenções da UNICAMP (CDC) ②

15:00–16:00 COFFEE BREAK

Location: Centro de Convenções da UNICAMP (CDC) ②



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16:00–17:30 SHORT COURSE – Experimental Diagnostics
Dr. Simone Hochgreb
Engineering Department, Cambridge University, UK
Location: Centro de Convenções da UNICAMP (CDC) ②

18:00–19:00 WOMEN IN COMBUSTION
Location: “Londres” Room (Casa do Professor Visitante, CPV) ③

TUESDAY, JULY 22nd

8:30–9:30 KEYNOTE LECTURE – Ammonia for Power (I)
Dr. Agustin Valera-Medina
Director Net Zero Innovation Institute, Cardiff University
Location: Centro de Convenções da UNICAMP (CDC) ②

9:30–10:30 COFFEE BREAK
Location: Centro de Convenções da UNICAMP (CDC) ②

10:30–12:00 SHORT COURSE – Turbulent Combustion: A Computational Perspective
Dr. Jacqueline H. Chen
Sandia National Laboratories, USA
Location: Centro de Convenções da UNICAMP (CDC) ②

12:00–13:30 LUNCH

13:30–15:00 SHORT COURSE – Chemical Kinetics
Dr. Perrine Pepiot
Sibley School of Mechanical and Aerospace Engineering, Cornell University, Ithaca, NY, USA
Location: Centro de Convenções da UNICAMP (CDC) ②

15:00–16:00 COFFEE BREAK | POSTER PRESENTATIONS
Location: Ginásio Multidisciplinar da UNICAMP (GMU) ④



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16:00–17:30 SHORT COURSE – Experimental Diagnostics
Dr. Simone Hochgreb
Engineering Department, Cambridge University, UK
Location: Centro de Convenções da UNICAMP (CDC) 2

18:00–19:00 ABCM MEETING
Location: “Londres” Room (Casa do Professor Visitante, CPV) 3

WEDNESDAY, JULY 23rd

8:30–9:30 KEYNOTE LECTURE – The Future of Biofuels in Internal Combustion Engines
Dr. Mario E. S. Martins
Mechanical Engineering Department, Universidade Federal de Santa Maria, Brazil
Location: Centro de Convenções da UNICAMP (CDC) 2

9:30–10:30 COFFEE BREAK | POSTER PRESENTATIONS
Location: Ginásio Multidisciplinar da UNICAMP (GMU) 4

10:30–12:00 SHORT COURSE – Biomass Combustion
Dr. D. P. Vilas
CINTECX, Universidade de Vigo, Spain
Location: Centro de Convenções da UNICAMP (CDC) 2

12:00–13:30 LUNCH

13:30–15:00 SHORT COURSE – Biomass Combustion
Dr. David Patiño Vilas
CINTECX, Universidade de Vigo, Spain
Location: Centro de Convenções da UNICAMP (CDC) 2

15:00–16:00 COFFEE BREAK | POSTER PRESENTATIONS
Location: Ginásio Multidisciplinar da UNICAMP (GMU)

16:00–17:30 SHORT COURSE – Two-phase Combustion



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Dr. Fernando Luiz Sacomano Filho

Mechanical Engineering Department, RCGI: Research Centre for Greenhouse Gas Innovation (RCGI), University of São Paulo, Brazil

Location: Centro de Convenções da UNICAMP (CDC) 2

18:00–19:00 RNC MEETING

Location: “Londres” Room (Casa do Professor Visitante, CPV) 3

THURSDAY, JULY 24th

8:30–9:30 KEYNOTE LECTURE – Ammonia for Power (II)

Dr. Agustin Valera-Medina

Director Net Zero Innovation Institute, Cardiff University

Location: Centro de Convenções da UNICAMP (CDC) 2

9:30–10:30 COFFEE BREAK | POSTER PRESENTATIONS

Location: Ginásio Multidisciplinar da UNICAMP (GMU) 4

10:30–11:30 KEYNOTE LECTURE – Ignition and Burning of Wooden Structures Exposed to Radiation Heat from Flames and Firebrands

Dr. Felipe Roman Centeno

Mechanical Engineering Department, Universidade Federal do Rio Grande do Sul, Brazil

Location: Centro de Convenções da UNICAMP (CDC) 2

11:30–12:30 SPONSORS’ PRESENTATIONS

Location: Centro de Convenções da UNICAMP (CDC) 2

13:00–17:00 FEIJOADA AND SOCIAL EVENT

Location: Barbieri Bar

FRIDAY, JULY 25th

8:30–9:30 KEYNOTE LECTURE – Exascale Computing and Data Science Towards Utilization of Alternative Fuels for Transportation and Power



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Dr. Jacqueline H. Chen

Sandia National Laboratories, USA

Location: Centro de Convenções da UNICAMP (CDC) 2

9:30–10:30 COFFEE BREAK | POSTER PRESENTATIONS

Location: Ginásio Multidisciplinar da UNICAMP (GMU) 4

10:30–12:00 SHORT COURSE – Two-phase Combustion

Dr. Fernando Luiz Sacomano Filho

Mechanical Engineering Department, RCGI: Research Centre for Greenhouse Gas Innovation (RCGI), University of São Paulo, Brazil

Location: Centro de Convenções da UNICAMP (CDC) 2

12:00–14:00 CLOSING CEREMONY | LUNCH

Location: Centro de Convenções da UNICAMP (CDC) 2

14:00 DEPARTURE

MAP WITH IMPORTANT LOCATIONS

