

Dive deep into the World of Glasses: The 3rd São Carlos School offers 30 student grants

The CeRTEV team at the Universities of São Carlos (UFSCar, USP & UNESP) are thrilled to announce the Third São Carlos School on Glasses and Glass-ceramics from **March 10th to 15th, 2025**.

Building upon the success of previous Schools, [2nd-sao-carlos-school-on-g-and-gc-first-call-icg-logo-1-2.pdf \(ufscar.br\)](https://ufscar.br/2nd-sao-carlos-school-on-g-and-gc-first-call-icg-logo-1-2.pdf), this new event offers an exceptional opportunity for Brazilian and international Ph.D. students to:

Gain State-of-the-Art Knowledge and Network with Leading Experts:

- Renowned instructors will delve into the fascinating world of glasses and glass-ceramics, covering their structure, dynamic processes (diffusion, flow, relaxation, crystallization), and a wide range of properties: optical, electrical, mechanical, thermal, and biochemical.
- Expand your network: Interact with leading instructors, build connections with fellow students, and meet potential future colleagues in your field.

Explore Cutting-Edge Research:

- Gain valuable insights into the expertise of **CeRTEV** and New York State College of Ceramics (NYSCC) at **Alfred University** faculties.
- Explore the advanced research facilities available at CeRTEV.
- Discover the ongoing research efforts and projects at the forefront of glass science and technology.
- Strengthen your understanding of this critical material for potential future research directions.
- The School opens doors to graduate studies, postdoctoral fellowships, and visiting faculty positions.

World-Renowned Faculty Lead the Way:

This year, the School boasts distinguished instructors with esteemed faculty from NYSCC, Alfred University, USA, who have extensive experience in experimental, theoretical, and computer simulation studies of glasses. We are finalizing the program based on instructor confirmations; stay tuned for detailed schedules and topics.

- Engaging Lectures: One or two 45-minute lectures will cover each topic, followed by Q&A providing in-depth exploration of critical topics. Gain a broader perspective through presentations by CeRTEV and NYSCC, Alfred University faculties. Industry researcher participation (instructors) from significant glass companies will offer additional insights.

- Showcase Your Research: 2-minute fire talks followed by poster presentations will allow students to share their research and interact with instructors and peers.

CeRTEV INSTRUCTORS (tentative)

Ana Candida M. Rodrigues – Electrical properties

Andréa S. S. de Camargo – Optical properties

Edgar Dutra Zanotto – Fundamental of glass crystallization

Eduardo Bellini Ferreira – Glass sintering & João Victor Campos – Flash sintering

Daniel R. Cassar – Glass design by machine learning

Hellmut Eckert – Glass structure by EPR

José Pedro Rino – MD simulations

Marcos de Oliveira Junior – Glass structure by NMR

Francisco Serbena – Mechanical properties of glasses and glass-ceramics

Marcelo Nalin – Photonic glasses

Paulo S. Pizani & Rafaella Bartz – Raman spectroscopy

Murilo Crovacce & Oscar Peitl – Bioactive glasses and glass-ceramics

NYSCC-Alfred University INSTRUCTORS (tentative)

William LaCourse – Ion exchange, packing density, mixed alkali effect

S. K. Sundaram – Structure-terahertz property relationship in glasses

Doris Möncke – Spectroscopies, basicity, polyvalent ions, non-silicate oxide glasses

Collin Wilkinson – Glass relaxation

Rebecca Welsh – Computational modeling of glass systems, topological constraint theory, and the statistical mechanics model for glasses.

Benjamin Moulton – Spectroscopies (Structure of a variety of oxide glasses)

Caio Bragatto – electrical properties of glasses

Industry INSTRUCTORS (being contacted at the moment)

Sponsors: Fapesp, CeRTEV, DEMa-UFSCar, NYSCC - Alfred University. Glass industries would be most welcome to join this initiative aiming to train the next generation of glass scientists and engineers.

REGISTRATION

There is no registration fee for the School. Also, we will cover the hotel for up to six nights and some meal expenses for the instructors and registered M.Sci. and Ph.D. students.

We initially offer a limited number of 30 student grants. This number can be increased to 40 or 50 depending on industry funding. Interested international and Brazilian students must provide an abstract of their post-graduate research work

and a letter from the thesis supervisor or a funding agency proving they have enough travel funds.

Post-docs, industry researchers, and young professors are also welcome to apply for a limited number of 10 guest slots at our intensive School. However, guests must cover their travel, lodging, and meal expenses.

The School is a rare chance to deepen your glass science and technology knowledge, network with leading experts, and explore the fascinating world of glasses and glass-ceramics!

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DATE and VENUE

March 10-15, 2025, São Carlos, São Paulo State, Brazil

The city is Brazil's Science and Technology Capital, with approximately 2,500 Ph.D. and 250,000 inhabitants; one Ph.D. for every 100 residents. The public universities (USP and UFSCar) and the Embrapa Research Center in São Carlos are among Brazil's best. The city also boasts over 100 high-tech companies, mainly in informatics, materials, optics, biotech, agro-business, and chemistry. Finally, the weather is excellent, with over 300 sunny days per year and many rivers, waterfalls, and natural forest areas around the city. The local temperature typically varies from 15 to 30 °C.



