



**ICTP
SAIFR**

International Centre
for Theoretical Physics
South American Institute
for Fundamental Research

WORKSHOP ON OPTIMIZATION OF GLASS PRODUCTION



April 24, 2026

at IFT-UNESP, São Paulo, Brazil

CONFIRMED SPEAKERS

Alexandre Martins Moreira (FIP-NFS@ITAL, Brasil)

Andrea de Camargo (BAM, Germany)

Andreas Diegeler (Fraunhofer ISC, Germany)

Anja Grecko Lorenz (DWIH, Brazil)

Eduardo B. Ferreira (EESC-USP, Brazil)

Edgar D. Zanotto (CeRTEV, Brazil)

Katelyn Kirchner (CelSian, USA)

Lucas Pitaluga (SCHOTT Brazil)

Lucila Machado (Rep. of the State of Bavaria in Brazil)

Martin Kilo (Fraunhofer ISC, Germany)

Steve Whettingsteel (Krysteline, UK)

Thomas Gerdes (University of Bayreuth, Germany)

The Fraunhofer ISC in Germany (www.isc.fraunhofer.de), in collaboration with the CeRTEV team (www.certeve.ufscar.br) and ICTP-SAIFR, is pleased to announce the First Workshop on Optimization of Glass Production, to be held at IFT-UNESP on April 24, 2026, with the aim to present and transfer knowledge of glass production and its optimization with a focus on energy consumption and sustainable production. Some sessions will be held online.

Workshop Topics: Automation and digitalization in the era of artificial intelligence, including AI-supported process control, digital twins and predictive maintenance in high-temperature environments; Sustainability in high-temperature processes, with emphasis on energy efficiency, electrification, alternative fuels, CO₂ reduction strategies and industrial decarbonization pathways; New methods for thermal process characterization, covering advanced measurement technologies, in-situ diagnostics, data-driven evaluation methods and process transparency.

The workshop will be held just before the Fourth São Carlos School on Glasses and Glass-Ceramics

Application deadline: April 17, 2026

**Online application and more information:
ictp-saifr.org/wogp2026**



ORGANIZERS

Eduardo Bellini
EESC/USP & CeRTEV, Brazil

Andrea de Camargo
BAM, Germany

Andreas Diegeler
Fraunhofer ISC, Germany

Martin Kilo
Fraunhofer ISC, Germany

ICTP-SAIFR STEERING COMMITTEE

Atish Dabholkar (chair, ICTP director)
Maysa Furlan (UNESP rector)
Hugo Aguilaniu (Serrapilheira president-director)
Helena Nader (Brazilian Academy of Sciences president)
Juan Maldacena (South American representative)

ICTP-SAIFR SCIENTIFIC COUNCIL

Carlos Brito Cruz (chair, Elsevier)
Rosario Fazio (ICTP)
Alexandre Reily Rocha (IFT-UNESP)
William Bialek (Princeton Univ.)
Eduardo Fradkin (Univ. of Illinois)
Gabriela Gonzalez (Louisiana State Univ.)
André de Gouvêa (Northwestern Univ.)
Zvi Bern (UCLA)
Leticia Cugliandolo (Sorbonne Univ.)
Luis Lehner (Perimeter Inst.)

ICTP-SAIFR STAFF

Nathan Berkovits (Director)
Dario Rosa (Vice-Director)
Pedro Vieira (Perimeter-SAIFR Coordinator)
William Santos (Visitors Coordinator)
Bruna Cassettari (Activities Coordinator)
Humberto Neto (Executive Secretary)
Luiz Eduardo Moreira (Computer Systems Manager)
Lilia Faria (Financial Manager)
Marrey Peres, Jr. (Operations Manager)
Thiago Codinhoto (Technical Assistant)
Rebeca Doi (Technical Assistant)
Marcelo Sime (Technical Assistant)
Kalianny Bezerra (Communications Coordinator)