



CAIQ2017

August 6th - 9th, 2017



Centro Científico Tecnológico - CONICET - Bahía Blanca
Camino La Carrindanga , km 7, Bahía Blanca

Topical areas

01

Chemical Engineering Science

- 01a Thermodynamics.
- 01b Heat and mass transfer.
- 01c Separation technologies.
- 01d Fluid mechanics and transport phenomena. Micro and nano fluids.

02

Chemical Reaction Engineering and Catalysis

- 02a Reactions, reactors.
- 02b Polymerization processes.
- 02c Catalytic processes (petrochem., environment, fine and green chem., etc.)
- 02d Electrochemical processes. Corrosion.
- 02e Biocatalysis and biotransformations. Basic aspects of applied engineering.

03

Process Systems Engineering

- 03a Synthesis and design of processes and products.
- 03b Modeling, simulation and optimization of process systems.
- 03c Process control and monitoring.
- 03d Operations planning and supply chain.
- 03e Engineering of multiscale systems.
- 03f Water-energy-food-waste nexus.
- 03g Other applications of systems engineering (energy, health, etc.).

04

Industrial Biotechnology, Bioeconomy

- 04a Biotechnological processes.
- 04b Environmental and industrial biotechnology.
- 04c Bio-based economy.
- 04d Biofuels.

05

Food Science and Technology

- 05a Food biotechnology and nanotechnology.
- 05b Conservation, packaging, storage and food quality.
- 05c Food industry, agroindustry.

06

Conventional and Non-Conventional Energies

- 06a Conventional and non-conventional oil & gas.
- 06b Renewable energy, hydrogen, fuel cells.
- 06c Fuels from biomass and other alternative energies.

07

Materials and Nanotechnology

- 07a Ceramics, hybrid materials, polymers.
- 07b Nanotechnology. Nano materials. Development and applications.
- 07c Biomaterials.
- 07d Particle technology.
- 07e Industrial applications.
- 07f Other materials.

08

Process Industries

- 08a Chemical and petrochemical industry.
- 08b Oil and gas production and refining industry.
- 08c Pharmaceutical industry.
- 08d Paper, steel, nuclear and other industries.

09

Chemical and Food Engineering Teaching

- 09a Curricula.
- 09b Electronic learning and evaluation.
- 09c Process safety and sustainability teaching.
- 09d Laboratories and professional practices.

10

Safety of Industrial Processes

- 10a Manag. systems, practical improvements, evaluation and metrics.
- 10b Evaluation techniques for risk, HAZOP, LOPA, consequence models.
- 10c Instrumented safety systems.
- 10d Fires and explosions, decreased risk.
- 10e Mechanical integrity and reliability of installations.

11

Sustainability and the Environment

- 11a Environmental management.
- 11b Environmental and soil remediation.
- 11c Process intensification.
- 11d Clean and emerging processes.
- 11e Waste processing and conversion of waste into energy.
- 11f Life cycle analysis.
- 11g Solid, liquid and gaseous effluents.

12

Conceptual, Basic, and Detailed Engineering and Company and Project Management

- 12a Conceptual, basic and detailed engineering.
- 12b Business and project management.

13

Conferences

- 13a Plenary lectures.
- 13b Keynote conferences.

14

Round Tables and Professional Activities

- 14a Exchange meetings and other activities.
- 14b Round tables.

15

Works and Activities for Undergraduate Students

- 15a Poster session.

Important Dates

- 01 March - Opening reception of abstracts
- 01 April - Closing reception of abstracts
- 10 April - Notification of evaluation of abstracts
- 20 May - Closing reception of full papers
- 10 June - Notification of evaluation of full papers