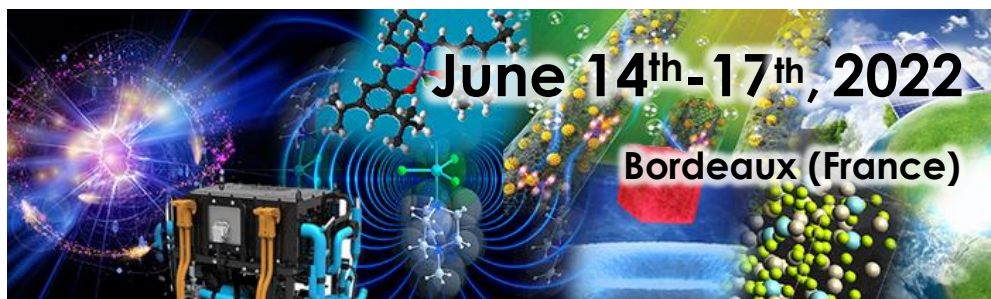




SCTE 2022
BORDEAUX



23RD INTERNATIONAL CONFERENCE ON SOLID COMPOUNDS OF TRANSITION ELEMENTS

CHAIRMEN: Jean-Louis Bobet, ICMCB Bordeaux and Mathieu Pasturel, ISCR Rennes

Several axes will be discussed such as the crystal structure, the chemical bond as well as the various and varied physical properties (magnetic, transport and spectroscopic) of various families of solid compounds of transition elements (intermetallics, hydrides, borides, carbides, silicides, pnictides, chalcogenides, oxides, halides).

This year a special focus will be on the **Energy** applications and **Recycling** of these materials.

SCIENTIFIC TOPICS

- 1 - Synthesis and characterization of new compounds of transition element
- 2 - Thermodynamics / Crystal chemistry / Phase equilibria and phase transitions
- 3 - Magnetic, transport and optical properties of powders, ceramics, glass-ceramics, metallic glass and single crystal. Multifunctional materials.
- 4 - Topological and correlated matter
- 5 - Physical and chemical properties at the nanometric scale: particles, films, interfaces
- 6 - Theory: electronic structure, chemical bonding
- 7 - Energy (saving, production, conversion, storage,...)
- 8 - Recycling
- 9 - Heterogeneous Catalysis and electrocatalysis based on intermetallics

Call for submissions (orals and posters) deadline: **March 1st, 2022**

Early Registration: **March 30th, 2022**



INTERNATIONAL SCIENTIFIC COMMITTEE

- Fernando Bartolome (Spain)
- Ernst Bauer (Austria)
- Jean-Louis Bobet (ICMCB, France)
- Herbert Boller (Austria)
- Daniel Fruchart (France)
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- Antonio P. Goncalves (Portugal)
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- Vitalij Pecharsky (USA)
- Peter Rogl (Austria)
- Adriana Saccone (Italia)
- Vladimir Sechovsky (Czechia)
- Andrei Shevelkov (Russia)
- Andrzej Szytuła (Poland)
- Anna Tursina (Russia)

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(ICMCB Bordeaux, chairman)
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(ISCR Rennes, Chairman)
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- Sophie TENCE
(ICMCB Bordeaux)
- Amélie VEILLERE
(ICMCB Bordeaux)

Fees: Academics/industrials 480€ - Students 210€ (before March 30th, 2022)



CONFERENCE SITE:

University of Bordeaux

Bat. A9a and A9b
33400 Talence
Tram B stop Peixotto

CONTACT

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<https://scte2022.sciencesconf.org>