11th Conference on Broadband Dielectric Spectroscopy and its Applications (BDS2020)

06.Ira - 11.Ira

Kod. 019-20

Edizioa
2020

Jaduera mota
Kongresua

Data
06.Ira - 11.Ira

Kokalekua
Gipuzkoako Bazkundea

Hizkuntzak
Ingelera

Balio akademikoa
50 ordu

Web
http://bds2020.dipc.org

ZUZENDARITZA

Silvina Cerveny Cerveny. Centro de Física de Materiales CSIC-UPV/EHU

Antolakuntza Batzordea
Azalpena

Broadband dielectric spectroscopy (BDS) is a powerful experimental technique permitting to investigate the molecular dynamics of polar (and nonpolar) materials over a wide frequency range covering up to 16 decades, at different temperatures and pressures.

BDS finds an incredibly large number of applications in different fields of science and technology. The technique has, in fact, been successfully employed in studies on:

- molecular dynamics of liquids, liquid crystals, glasses, polymers and other disordered systems;
- charge transport in ionic glasses and liquids, semiconductors, organic crystals, ceramics, polymers;
- interfacial phenomena and confinement effects;
- non-linear electrical effects. BDS is also a very useful tool to monitor chemical reactions and phase transitions, e.g. crystallization, irreversible adsorption, tautomerization, etc.

The following topics will be addressed in devoted sessions:

- S01 Polymer Dynamics
- S02 Soft Matter Dynamics and Phase Transitions in Amorphous, Partially Ordered and Ordered Systems (Liquid and Plastic Crystals, Ferroelectrics, Ceramics, Pharmaceuticals, etc.)
- S03 Glassy Dynamics and its Scaling under Different Variables (Pressure, Temperature, Electric Fields, etc.)
- S04 Confinement Effects
- S05 Non-Linear Effects
- S06 Advancements in Terahertz Spectroscopy
- S07 Industrial Applications
- S08 Dielectric Spectroscopy Spatially Resolved at Micro- and Nanoscale
- S09 Water and Hydrogen Bonded Systems, Application of BDS to Life Science
- S10 Charge Transport, Relaxation and Interfacial Effects

Organizing committee:

**Chairperson:**
Silvina Cerveny Murcia (Centro de Física de Materiales CSIC-UPV/EHU)

**Academic Committee:**
Gustavo Ariel Schwartz (Centro de Física de Materiales CSIC-UPV/EHU)
Daniele Cangialosi (Centro de Física de Materiales CSIC-UPV/EHU)
Silvia Arrese-Igor (Centro de Física de Materiales CSIC-UPV/EHU)
Daniel Martinez-Tong (University of the Basque Country (UPV/EHU), Centro de Física de Materiales CSIC-UPV/EHU)
Beatriz Robles-Hernández (University of the Basque Country (UPV/EHU), Centro de Física de Materiales CSIC-UPV/EHU)

**Local Committee:**
Jorge Melillo (Materials Physics Center, MPC)
Amaia Matanza Corro (Centro de Física de Materiales CSIC-UPV/EHU)
Javier Martinez Sabando (Materials Physics Center, MPC)
Helburuak

Considering the multidisciplinary approach and the broad set of applications of broadband dielectric spectroscopy, this meeting is open also to researchers outside of the dielectric community whose research could start new synergies at both experimental and theoretical level.

Following the structure of the previous meetings of the International Dielectric Society, BDS2020 will provide a platform to discuss the exciting developments of broadband dielectric spectroscopy at both academic and industrial level.

Ikastaroaren laguntzaile espezifikoa

[Images and logos from different organizations]
Zuzendariak

Silvina Cerveny Cerveny

Centro de Física de Materiales CSIC-UPV/EHU
(San Sebastian)
### Matrikula prezioak

<table>
<thead>
<tr>
<th>REGISTRATION FEES</th>
<th>2020-06-30 ARTE</th>
<th>2020-08-15 ARTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Delegate</td>
<td>450,00 EUR</td>
<td>500,00 EUR</td>
</tr>
<tr>
<td>Industrial Delegate</td>
<td>600,00 EUR</td>
<td>660,00 EUR</td>
</tr>
<tr>
<td>Student</td>
<td>200,00 EUR</td>
<td>250,00 EUR</td>
</tr>
<tr>
<td>Reserved Organization</td>
<td>100,00 EUR</td>
<td>130,00 EUR</td>
</tr>
</tbody>
</table>
Kokalekua

Gipuzkoako Bazkundea

Tolosa Hiribidea 75 - 20018 Donostia

Gipuzkoa