

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



06.Ira - 11.Ira

Kod. 019-20

Edizioa

2020

Jaduer a mota

Kongresua

Data

06.Ira - 11.Ira

Kokalekua

Gipuzkoako Bazkundera

Hizkuntzak

Ingelera

Balio akademikoa

50 ordu

Web

<http://bds2020.dipc.org>

ZUZENDARITZA

Silvina Cerveny Cerveny, Centro de Fisica de Materiales CSIC-UPV/EHU

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CURSOS
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UPV/EHU



Fundación
BBVA



Gipuzkoako Foru Aldundia
Diputación Foral de Gipuzkoa



DONOSTIA
SAN SEBASTIÁN

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 County (UPV/EHU), Centro de Física de Materiales CSIC-UPV/EHU)

Beatriz Robles-Hernández (University of the Basque County (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 Martínez 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 espezifikoak



Zuzendariak



Silvina Cerveny Cerveny

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

Matrikula prezioak

REGISTRATION FEES	2020-06-30 ARTE	2020-08-15 ARTE
Full Delegate	450,00 EUR	500,00 EUR
Industrial Delegate	600,00 EUR	660,00 EUR
Student	200,00 EUR	250,00 EUR
Reserved Organization	100,00 EUR	130,00 EUR

Kokalekua

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Gipuzkoa