



# IDS Online Workshop 2021 (IDS2021)



**06.Sep - 09.Sep 2021**

**Cod. Z14-21**

**Mod.:**  
Streaming

**Edition**  
2021

**Activity type**  
Workshop

**Date**  
06.Sep - 09.Sep 2021

**Location**  
Live online

**Languages**  
English

**Academic Validity**  
40 hours

**Organising Committee**



## Description

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.

### Organizing committee:

#### Chairs:

Ranko Richert (Arizona State University-ASU)

Catalin Gainaru (Fakultät Physik, Technische Universität Dortmund)

Silvina Cervený Murcia (Centro de Física de Materiales CSIC-UPV/EHU)

## Objectives

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.

### Course specific contributors



## Directed by



**Silvina Cervený Murcia**

Centro de Física de Materiales CSIC-UPV/EHU

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## Teachers



**Karolina Adrjanowicz Adrjanowicz**

University of Silesia

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**Simone Capaccioli**

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**Koji Fukao**

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**Florian Pabst**

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**Birte Riechers**

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**Erik Thoms**

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**Michael Vogel**

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# Registration fees

REGISTRATION	UNTIL 07-09-2021
GENERAL	0 EUR



**Place**

**Live online**

Live online