

Dedicated to:

...students (MSc, PhD), post docs or professionals involved in the study of solution equilibria and the analysis of relevant thermodynamic parameters.

The well-known computer science motto of “garbage-in garbage-out” perfectly holds also for chemical thermodynamics.

Researchers working in this field need high-quality data to obtain high-quality results. Analogously, any subject dealing with chemical thermodynamics need high-quality data and models to ensure their robustness for high-quality applications.

SOLvE in an **online** training school which will help people dealing with solution equilibria in promoting good laboratory practices. Experienced professors will provide focused theoretical background, practical aspects and tips for high-quality experimental data collection and clues for robust data analysis through different models and protocols (ranging from Excel to more specialised software). The main experimental approaches for solution equilibria will be presented and discussed. Applications of each technique to cutting-edge research will be also highlighted.

Organized by:



Chairs:

Tarita Biver
Sofia Gama
Demetrio Milea
Carmelo Sgarlata

University of Pisa (IT)
University of Białystok (PL)
University of Messina (IT)
University of Catania (IT)

NECTAR Supervision:

Enrique García-España University of Valencia (ES)
TS Coordinator

Important info:

Deadline: 15th June 2021

Registration fee: 30 €
15 NECTAR free slots available

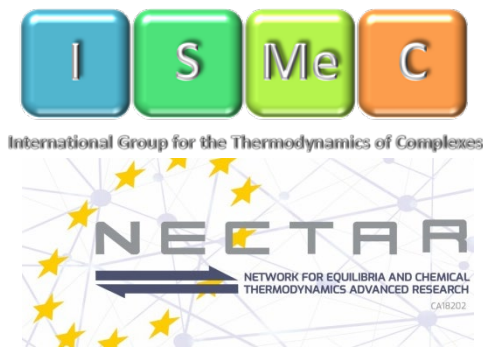
Registration fee includes:

- 12 + 1 topic lectures
- Training material

Min number of participants required: 10

Contact – Info – Registration:

solve@uwb.edu.pl



1st ISMEC-NECTAR Training School

on the
Determination, Analysis and Use
of Thermodynamic Data



Advances in
SOLution Equilibria

July 26th-28th, 2021



International Group for the Thermodynamics of Complexes



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Advances in SOLution Equilibria

July 26th-28th, 2021

Credits: Sofia Gama



2.5 DAYS \Rightarrow INTRODUCTION TO SOLUTION EQUILIBRIA + 4 FOCUSED TOPICS

A **plenary lecture** will introduce the theoretical background for a correct approach to solution equilibria.

Each session of the school (half a day) will be focused on a specific technique

- Potentiometry & Electrochemical techniques
- Spectrophotometry & Spectrofluorimetry
- NMR
- Calorimetry

At the end of each session, an experienced researcher will present the applications of each technique in nowadays research.

www.cost-nectar.eu
www.ismecgroup.org

PROGRAMME (CET time)

July 26 th	July 27 th	July 28 th
	9:30-10:20 TOPIC 2 Theory	9:30-10:20 TOPIC 4 Theory
10:00-10:20 Opening	10:30-11:20 Data treatment	10:30-11:20 Data treatment
10:20-12:00 <i>Introduction to solution equilibria</i>	11:30-12:20 Application	11:30-12:30 Application
	12:20-13:00 Open discussion	12:20-13:00 Open discussion
Lunch Break	Lunch Break	Closing remarks
15:00-15:50 TOPIC 1 Theory	15:00-15:50 TOPIC 3 Theory	
16:00-16:50 Data treatment	16:00-16:50 Data treatment	
17:00-17:50 Application	17:00-17:50 Application	
17:50-18:30 Open discussion	17:50-18:30 Open discussion	

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