



Some recent trends in Solid State Chemistry

A meeting honouring Professor Kenneth R. Poeppelmeier

11 de mayo de 2017. Sala de Grados.

Facultad de Ciencias Químicas.

Universidad Complutense,

Madrid, Spain.

PROGRAM

First session: Chair Miguel Ángel Alario-Franco

OPENING

9:15-9:30. Entrega del nombramiento como socio de Honor de la RSEQ del Prof. K.R Poeppelmeier: José Manuel Pingarrón, Vicerrector de la UCM y Vicepresidente de la RSEQ, acompañado de Flaviano García Alvarado, Presidente del Grupo Especializado de Química del Estado Sólido (GEQES) de la RSEQ.

09.30-10.00: Impact of Local Structure on Transparent Conductors. Kenneth R. Poeppelmeier. Northwestern University, Illinois, USA.

10:00-10:20 Giant magnetocaloric effect in RCrO_4 and EuR_2O_4 (R=rare earth) oxides". Regino Saez Puche. Universidad Complutense, Madrid, Spain.

10.20-10.40 New (Deep)-UV NLO Materials: From Synthesis to Applications. P. Shiv Halasyamani. University of Houston, Texas, USA.

10.40-11.00. Modular assembling of large brownmillerite/perovskite blocks driven by A-cation ordering". Susana García Martín. Universidad Complutense, Madrid, Spain.

11:00-11:20 Can Na-ion batteries complement or in certain situations replace Li-ion batteries?. Teófilo Rojo. CIC-Energigune Vitoria and Universidad del País Vasco, Bilbao, Spain.

11.20-11.40: Transition metal fluorides and oxyfluorides for lithium batteries. Flaviano García-Alvarado. Universidad San Pablo CEU, Madrid, SPAIN.

Pausa-Café 11.40-12-10

Second Sesion: Chair Flaviano García Alvarado

12:10-12:30. Nitride tuning of transition metal perovskites. Amparo Fuertes. ICMB-CSIC, Barcelona, Spain.

12.30-12.50. Microwave-assisted synthesis of inorganic materials . Emilio Morán. Universidad Complutense, Madrid, Spain.

12.50-13.10: Controlling the reduction of dopants in inorganic materials. Romain Gautier. Institut des Materiaux Jean Rouxel. CNRS, Nantes, France.

13.10-13.30: Serendipity while seeking in the wrong direction: contributions to the field of ionic conductors. Esther Garcia González. Universidad Complutense, Madrid, Spain.

13.30-13.50 Understanding nanoparticles. M. J. Torralvo. Universidad Complutense, Madrid, Spain.

13:50-14:10 Tc and Solid State Chemistry in SC Cuprates: The (steep) road to RT SC. Miguel Ángel Alario-Franco. Universidad Complutense, Madrid, Spain.

14:10-14:20 Conclusions and Final Comments: Kenneth R. Poeppelmeier