

Venue: Engineering Faculty. Central Building Hall. Edmundo Larenas 219. Concepción

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15:00 – 18:00                      Inscriptions and general information

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20:30 -                                Reception cocktail and dinner

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Hour                                    Description

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Venue                                  Direction of PostGraduate Studies' Meeting Room. Edmundo Larenas 234. Concepción

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9:30 – 10:00                        Alberto Coronas: A general overview of Narilar's initiative: status and progress

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Ionic Liquids – properties and Modelling. Chairs: Alberto Coronas (URIV) and Andrés Mejía (UdeC)

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10:00 – 10:30                        Carlos A. Nieto de Castro : Ionic Liquids. Can We Predict Their Thermophysical Properties?

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10:30 – 11:00                        Guillermo Reyes: Coarse grained molecular dynamic simulations and experimental determination of selected thermo-physical properties of ionic liquids and its mixture with Ar and CO<sub>2</sub>

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11:00 – 11:30                        Coffee break

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11:30 – 12:00                        Josefina García: Modelling of New Ionic Liquids Derived from Ammonium with Ammonia Refrigerant Using PC-SAFT Equation for Absorption Chillers

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12:00 – 12:30                        Héctor Quinteros-Lama: Progressive Modelling of ionic liquids from minimal to detailed experimental data

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12:30 – 13:00                        Fernando J. Santos: Thermophysical properties of ionic liquid based systems

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13:00 – 13:30                        Pablo Sanchez: Thermal analysis of pyridinium and choline based ionic liquids

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13:30 – 15:00                      Lunch break

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Ionic Liquids – applications. Chair: Fernando Santos (FCUL)

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15:00 – 15:30                      Esteban Quijada: Pilot plant study on the Extractive Distillation of Toluene-Methylcyclohexane mixture using NMP and the ionic liquid [hmim][TCB] as solvents

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15:30 – 16:00                      Allison Leyton/Cristina Ravanal: Forest and agricultural residues pretreated by ionic liquids (ILs) for bioethanol production

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Ionic Liquids – new and improved experimental results. Chair: Hugo Segura (UdeC)

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16:00 – 16:30                      Carlos Nieto de Castro: Thermodynamic and transport properties for selected ionic liquids and mixtures with natural refrigerants and co-solvents for absorption refrigeration

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16:30 – 17:00                      Coffee break

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17:00 – 17:30                      Daniel Salavera: Measurement and Estimation of some Thermophysical Properties of Ionic Liquids

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17:30 – 18:00                      Andry Cera: Measurement and Modelling of the Solubility of Ammonia in 1-(2-hydroxyethyl)-3-methyl imidazolium tetrafluoroborate choline

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18:00 – 18:20                      Coffee break

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18:20 – 19:20                      Round Table: Ionic Liquids: Actual and future importance for  
Chemical processes and products in a global changing environment  
(Carlos Nieto Castro and Alberto Coronas)

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19:20                                    Closure

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20:30                                    Closing dinner