

PSE Summer School
EEBE, Campus Diagonal Besòs, Universitat Politecnica de Catalunya

| | 2018 - 07 - 18 Wednesday | 2018 - 07 - 19 Thursday | 2018 - 07 - 20 Friday |
|---------------|---|---|--|
| 08:00 - 08:30 | | | REGISTRATION |
| 08:30 - 09:00 | REGISTRATION | REGISTRATION | Operator Training: Workshop and Round Table |
| 09:00 - 09:30 | Welcome & Opening Plenary Lecture | Visit to Process Plant 1: Total Municipal Solid Waste Recovery Facility (PIVR del Besòs) | COFFEE-BREAK |
| 09:30 - 10:00 | COFFEE-BREAK | | Water Systems: Workshop and Round Table |
| 10:00 - 10:30 | Energy Systems / Process Instrumentation | | Visit to Process Plant 2: Wastewater Treatment Plant (EDAR del Besòs) |
| 10:30 - 11:00 | | | Free time for lunch |
| 11:00 - 11:30 | | | |
| 11:30 - 12:00 | | | Free time for lunch |
| 12:00 - 12:30 | Keynote 1 | Keynote 2 | |
| 12:30 - 13:00 | | | Research Round Table: Results and perspectives |
| 13:00 - 13:30 | Hands-on workshop CasADi (modeling and optimization tools) | Hands-on workshop EcoSim | Closure |
| 13:30 - 14:00 | COFFEE-BREAK | COFFEE-BREAK | |
| 14:00 - 14:30 | Hands-on workshop ASPEN Custom Modeler (process simulation tools) | Hands-on workshop HYSYS / UniSim | |
| 14:30 - 15:00 | | | |
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| 19:30 - 20:00 | | | |

Lecture Hall

Room A.02

Room A3.07

HALL

Process plant 1 10' walk from the campus
<https://goo.gl/maps/92766vr73Ln>

Process plant 2 10' walk from the campus
<https://goo.gl/maps/yZvzeeDaqx82>

EEBE, CAMPUS DIAGONAL - BESÒS
UNIVERSITAT POLITÈCNICA DE CATALUNYA



Avinguda Eduard Maristany, 16, 08019 - Barcelona
<https://goo.gl/maps/MCr12yTsUDw>

Metro: L4 - Maresme Fòrum
 Bus: 7 - Fòrum / H16 - Fòrum
 Tramway: T4 - Fòrum / Campus Diagonal-Besòs



PSE Summer School. Barcelona 2018 / 07 / 18 - 20

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| DAY 1 | 9:00 - 10:30 Welcome & Opening Adriana Farran, Director, EEBE (Escola d'Enginyeria de Barcelona Est) Luís Martínez, President, SEQUI (Sociedad Española de Química Industrial) Joseba Quevedo, President, CEA (Comité Español de Automática) Plenary Lecture: "Contributions in Diagnosis & Fault-tolerant Control" |
| | 11:00 - 12:30 Energy Systems / Process Instrumentation "Energy system real time optimization at refineries and petrochemical sites", Diego Ruiz, Director Professional Services, Visual MESA, KBC (A Yokogawa Company) "Radar, a new era in level measurement", Francisco Rey, Technical Director, VEGA Instrumentos S.A. |
| | 13:30 - 14:30 Keynote 1 Ramon Vilanova, Associate Professor; Montse Meneses, Lecturer. Universitat Autònoma de Barcelona (UAB). "LCA and environmental evaluation of control strategies in wastewater treatment plants" |
| | 14:30 - 16:00 Hands-on workshop CasADi: symbolic framework for algorithmic differentiation and numeric optimization. Jose Luis Pitarch, PostDoc Researcher, Universidad de Valladolid (UVA) |
| | 16:30 - 18:00 Hands-on workshop ASPEN Custom Modeler Santos Galán, Associate Professor, Universidad Politécnica de Madrid (UPM) |
| | DAY 2 |
| 9:00 - 12:30 Visit to Process Plant 1 Total Municipal Solid Waste Recovery Facility | |
| 13:30 - 14:30 Keynote 2 Mariano Martin, Associate Professor, Universidad de Salamanca (USAL) "Future directions in process and product synthesis and design" | |
| 14:30 - 16:00 Hands-on workshop EcosimPro: System Modelling and Simulation Software. César de Prada, Full Professor, Universidad de Valladolid (UVA) | |
| 16:30 - 18:00 Hands-on workshop AspenHYSYS / UniSIM Moisés Graells, Associate Professor, Universitat Politècnica de Catalunya (UPC) | |
| DAY 3 | |
| 8:30 - 10:00 Operator Training / Workshop and round table Manuel Meijueiro, Technical Director, Wonderware Spain. Luis Navarra, Commercial Engineer - Process, Rockwell Automation Josep Anton Feliu, Marketing Manager and Co-Founder, Inprocess Technology & Consulting Group, S.L. Manel Serra, Software Development Manager, Inprocess Technology & Consulting Group, S.L. | |
| 10:30 - 12:00 Water management in Process Systems / Workshop and round table Gabriela Cembrano, Tenured Researcher of the Spanish Research Council (CSIC) & CETAQUA | |
| 12:00 - 13:30 Visit to Process Plant 2 Wastewater treatment plant | |
| 15:00 - 16:00 Reserach Round Table: Results and Perspectives within SPIRE, the H2020 and beyond. Vicenç Puig, Full Profesor, Universitat Politècnica de Catalunya (UPC) | |
| 15:00 - 16:00 Closure | |