

Monday June 14



| | Tough Nuts in Catalysis: on the Synergy of Coupling14h30High Throughput Approaches in Computation and ExperimentationS. A. SchunkAUDITORIUM 1 |
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| Large scale exploration of the biocatalytic capabi- lity of biodiversity for biocatalysis & synthetic biolo- gy applications V. De Berardinis | Selective Hydroconversion of 5-Hydroxymethylfur fural to Biofuels over Monometallic Ni/SBA-15 and Cu/SBA-15 Catalyst S. Chen AUDITORIUM 2 |
| PL AUDITORIUM 1 m2p-labs Beckman Coulter Life Sciences AUDITORIUM 1 | Development of highly active catalyst system for bioethanol-to-butadiene reaction via high throughput methods Y. Shinke AUDITORIUM 2 0C Avantium Catalysis |
| Lighting up the path to protein engineering – From high- to ultra high throughput screening F. Rudroff AUDITORIUM 1 | AUDITORIUM 2 15h50 16h00 16 |
| | 16h20 Highthroughput approach for optimizing three-way-catalyst for natural gas engine: impor- tance of the metal-support interface Y. Zheng AUDITORIUM 2 |
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| Electrochemical screening asalternative for drug and enzyme discovery B. Doumèche AUDITORIUM 1 | Development of Fe-Ni/SiO2Bimetallic Catalysts for Furfural Hydrogenation using a High-Throughput Screening Approach D. Shi |
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Tuesday June 15



| Non-e | mpirical structure determination for heteroge- Ziegler-Natta, catalyst, based on machine | | 13h30 | | Enzyme for Biocomputing | |
|--|--|-------------------------|--|----------------------|--|--|
| neous | learning-aided DFT calculation | | 13h50 🔫 | | AUDITORIUM 1 | ~ |
| | G. Takasao | | | | | |
| <i>0C</i> | AUDITORIUM 1 | | | | | |
| Cataly | st Optimization in Olefin Polymerization using | | | | Determination of the Association Constant between | a |
| an HT | E/QSAR workflow: Intuitive 3D-Steric Descrip- | | 14h10 | | Cyclodextrin and a Guest using Machine Learning j Catalyzed Functionalization of Bio-Sourced Substrat | or es |
| | tors toTackle the Database Size Problem | | 14h30 | | G. Tahil | |
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| 00 | AUDITORIUM 1 | | | | | |
| | Ducké us hu Concers | | 14h | 50 🧹 | Teamcat Solutions | |
| | | | | | AUDITORIUM 2 | |
| | Additional | NAL O | | | Efficient research and development of the industric | |
| | | | | | catalysts for methyl methacrylate synthesis | Ĺ |
| Faster | bioprocess development by model supported | | 156 | 00 | W. Ninomiya | |
| | screening of new biocatalysts | 15h00 | 150 | 00 | AUDITORIUM 2 | С |
| D | | | | | | |
| PL | | | | | Synthesis and characterization of ε -Keggin-typ | е |
| | | (| | | pnospnomolybaate-based 3D Framework Material M. Sadakane | |
| | | | 15h | 20 | AUDITORIUM 2 | |
| Autom | ated Enzyme Optimization using Feedback | | 131 | 20 | | 17 |
| Loop o | f Computational Prediction and Experimental | 15b40 | 15h | 40 🧹 | Efficient non-noble Ni-Cu based catalysts for th | е |
| | Validation S. Pajalakshmi Sakar | 131140 | 1511 | | valorization of paimitic acid through decarboxyld | - |
| 00 | AUDITORIUM 1 | | | | C. Palombo-Ferraz | |
| UL, | | | Y | | AUDITORIUM 2 |) <i>C</i> |
| | | | 16h00 | | | |
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| | | | | | Churchanian four antropyrty designs beyond on somehingth | |
| | | | \sim | | rial and high throughput kinetic investigations | |
| | | | | | C. Mirodatos | |
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