

Seminar #6

July 17, 2020, 11:30 am

Transforming Industrial Processes with Flow Chemistry and Process Intensification

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Today, we are witnessing important developments that go beyond “traditional” chemical engineering. Chemists and engineers are working together on techniques that could transform our concept of “chemical plant”. This will lead to modular, miniaturized, safe, energy-efficient, and ecological processes. These advancements have opened the doors to synthetic transformations that were once considered “impossible” under “traditional” conditions, and are particularly relevant for the pharmaceutical and fine chemical industries, the two sectors that have historically produced the highest amount of pollution and waste.

With examples from our research, this seminar will highlight the impact of process intensification on several layers, from the utilization of catalytic materials with unprecedented structural control to the experimental design of continuous processes and flow conditions for the chemical industry of tomorrow.



Virtual DCMIC Seminar Series

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