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GSVRs for the pyrolysis of biomass will be assessed. The potential of the reacting gas and a solid phase, either a catalyst or a feedstock to be converted. The potential of called gas-solid vortex reactors (GSVR) allow to increase the rates of mass and heat transfers between chemical reactor engineering. The approach followed at the Laboratory for Chemical Engineering to address the multiscale aspects of existing and emerging chemical processes will be presented. 50.

Process intensification provides a major incentive for research and development in the field of process intensification provides a major incentive for research and development in the field of

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Proc 3, plenary by Guy B. Marin

International Green Chemical Engineering Summit 2017 (IGCES 2017), October 17-19 2017, Belgium

Multiscale analysis and design of vortex reactors for biomass pyrolysis