



WCCE11 - 11th WORLD CONGRESS OF CHEMICAL ENGINEERING

IACCHE - XXX INTERAMERICAN CONGRESS OF CHEMICAL ENGINEERING
CAIQ2023 - XI ARGENTINIAN CONGRESS OF CHEMICAL ENGINEERING
CIBIQ2023 - II IBEROAMERICAN CONGRESS OF CHEMICAL ENGINEERING
Buenos Aires - Argentina - June 4-8, 2023

"The global chemical engineering working for a better future world"

WCCE11 - Area 10 – EDUCATION IN CHEMICAL ENGINEERING Preliminary technical program

Monday, June 5, 2023, Room 14 Aula Oral presentations

14:00-14:15	1249	Designing a competency-based chemical engineering curriculum with a topdown approach	Franco, L.F.M., Lisboa, A.C.L., Suppino, R.S.
14:15-14:30	1300	Integrating PSE Tools in Chemical Engineering Education: Towards a New Computational Student	Sánchez, A., Hernández, B., Martín Hernández, E., Galán, G., Taifouris, M., Roldán, J.E., Prieto, C., Martín, M.
14:30-14:45	1699	Vaccine Manufacturing: an online course with real time laboratory experiences	Forciniti, D.
14:45-15:00	2058	An introductory course of machine learning for chemical engineering students: a prototype.	Sanchez Medina, E.I., Ganzer C., del Rio-Chanona A.E., Matar O.K., Sundmacher, K
15:00-15:05	1188	Development and evaluation of simple numerical methods learning software	Goñi, S.M.
15:05-15:10	1191	Using chemometrics to analyze multivariate data sets produced in the chemistry laboratory	Cazar, R.A., Parada, M.M.
15:10-15:15	1656	A Blended Textbook-Free Chemical and Biochemical Process Safety Class	Forciniti, D.
15:15-15:20	2388	Effect of thermodynamic parameters on residue curves maps	Maquirriain, M.A., Giletta, S., Gross, M.S.
15:20-15:25	2738	Characterization of crude oil and its fractions: a Python application	Lezama, J.R., González, J.R., Ale Ruiz, E.L., Erdmann, E.
15:25-16:00	Questions flash oral presentations		
16:00-16:30	Coffee Break and Posters Discussion		
16:30-16:45	1992	Awareness-raising and education activities on environmental sustainability	Valero-Romero, M.J., García-Mateos, F.J., Rosas, J.M., Rodríguez-Mirasol, J., Cordero, T.
16:45-17:00	2138	Development of an interactive computational tool to enhance student learning of Multiple Steady States and Stability in Continuous Stirred Tank Reactors	Seoane, I.T., Melloni, T., Doumic, L.I., Fasce, L.A., Ayude, M.A.
17:00-17:15	2536	Introducing Virtual Tutors in Chemical Engineering Education	Caccavale, F., Gargalo, C. L., Gernaey, K. V., Krühne, U.
17:15-17:30	2935	Business game as part of chemical engineering education	Oinas, P., Melgin, J.
17:30-18:30	Plenary Conference		
18:30-19:30	Posters Discussion		



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Monday June 5, 2023. POSTERS SESSION .

2871	Flow Synthesis of 5-Hydroxymethylfurfural (HMF) from Fructose: An Experiment for the Chemical Engineering Laboratory	Silva, G.P.A., Poço, J.G.R.
2648	Educational measurement system for open water channels flow estimation	Ueda, A.C., Jabur, A.S., Schneider, F.K.
2044	Redesign of a binary distillation tower using Aspen Plus	Ale Ruiz, E.L., Andia Urbano, C., Suarez, J., Riveros Zapata, A.N.
1618	Experimental comparison of heat exchangers in countercurrent flow	Girbal, P., Andrade, F., Biscardi, R., Chora, F., Conlon, A., Álvarez Dávila, M., Flores, M.D.
1369	Analysis of the academic performance of students during the pre- and postpandemic periods	Machado, G.E., Alvarez Dávila, M.