

Technical Meeting on Emerging Applications of Plasma Science and Technology

Tuesday, 19 September 2023

Industrial Applications - CR-4 (09:45 - 10:45)

-Conveners: PJ Cullen

time	[id] title	presenter
09:45	[40] Plasma Bubbles: A path to Green Chemistry	CULLEN, PJ
10:15	[19] Scientific approach to plasma technologies	MOZETIC, Miran

Industrial Applications - CR-4 (11:00 - 12:00)

-Conveners: PJ Cullen

time	[id] title	presenter
11:00	[13] Plasma technologies for a sustainable future: unique plasma processes for applications in biomedicine and space with opportunities in cellular agriculture and vaccine development	BILEK, Marcela
11:30	[7] Plasma diffusion treatments and coatings for industrial applications	PALAKEL, Alphonsa

Industrial Applications - CR-4 (13:10 - 14:40)

-Conveners: PJ Cullen

time	[id] title	presenter
13:10	[48] Machine learning aided plasma source and process simulation for semiconductor fabrication processes	KWON, Deukchul
13:40	[8] Physics-Informed Data Driven Plasma Equipment/Process Control Technologies for Plasma Applications.	YOON, Jung-Sik
14:10	[18] Commercialisation pathways for plasma-activated coatings, plasma immersion ion implantation and plasma-polymerised nanoparticles in biomedical science	Dr FRASER, Stuart
14:25	[25] Material modifications due to the plasma irradiation	Dr OGORODNIKOVA, Olga

Friday, 22 September 2023

Industrial Applications: Summary and Discussion - CR-4 (09:00 - 09:45)