Computational fluid dynamics study of ALD processes:

Benchmarking and Validation

Gizem Ersavas Isitman[1], Daulet Izbassarov[1], Riikka L. Puurunen[2], Ville Vuorinen[1]

1.School of Engineering, Department of Mechanical Engineering, Aalto University

2.School of Chemical Engineering, Department of Chemical and Metallurgical Engineering, Aalto University
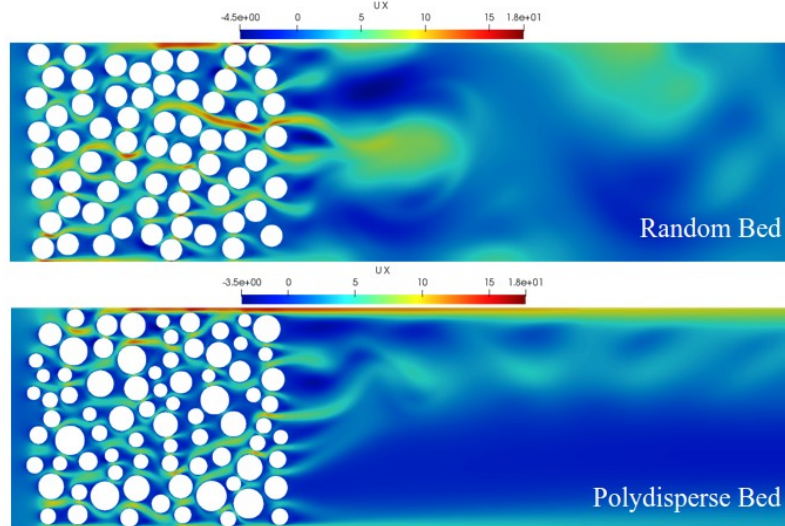

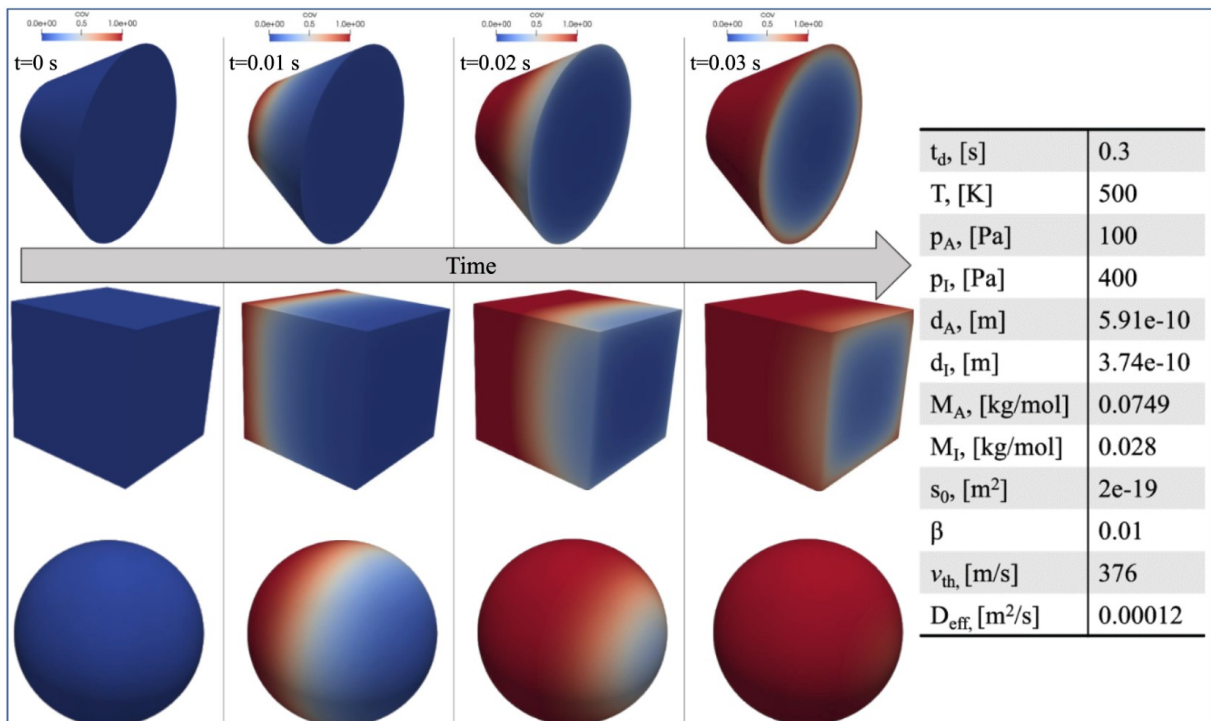Figure 1: Streamwise velocity field of non-reacting flow past through tube banks

Figure 2: Time evolution of surface coverage on different 3D shapes