

Assignment 3

Critical review on a seminar

The seminar took place on the topic "Reactive transport: numerical issues and challenges", by Jesús Carrera on Wednesday, 10 October 2018. The speaker shortly revise basic concepts necessary to understand reactive transport, containing solute transport and chemical reactions. Speaker is renowned for the work in the field.

He started his presentation slides with a Picture of a fancy crystal cluster usually seen in movies that grabbed attention of the viewers. He moved forward by introducing himself and the story behind the photo. Creating a suspense by throwing questions like How are they formed?, What is the purpose of all this? , made audience excited about the topic. With very few bullet points on the slides which use to appear at once when new slide use to come. Later as the seminar went deep into the topic the frequency of images reduced and technical jargon starts introducing. Graphs and line diagram were the best part of the speech as they were beautifully crafted and while explaining they were easy to understand.

The first outline of the seminar explained how different types of reactions affect transport. Further, after that he introduced the general reactive transport equation, which is facilitated by viewing reactions and species as a vector space. While the approach leads to a quite compact formulation, a number of challenges remain open for which he openly invited attendees to come and work with if the viewers were interested in the topic.

Overall talking about the talk it was well structured so understandable to the once who know little about the area of the topic. The voice modulation and body language of the speaker were self-explanatory about the things, which need much attention.