

Critical review – *Reactive transport: numerical issues and challenges* by Dr. Jesús Carrera

This critical review is about the presentation held by Dr. Jesús Carrera on the topic of numerical issues and challenges in reactive transport, which took place the 10th of October 2018 at the Universitat Polytècnica de Catalunya in Barcelona. This review is related only to the speaker's communication and not to the technical content of the presentation.

The slides of the presentation were simple and clear. Dr. Carrera didn't use any animations or overly-colourful slides, which makes the slides look well-arranged. He included figures and diagrams to explain certain specific pieces of content. This helps the audience to understand the topic visually as well as the results obtained from his investigations. However, some slides were a little bit crowded with text and formulae, which should be avoided in order to not lose the audience's attention.

Concerning the preparation of the presentation, Dr. Carrera looked and acted very professional. He gave the impression of being well-prepared and knowing the content of his slides throughout. This makes him very credible and guarantees him not to lose the attention of the audience because of his expertise.

In addition to this, Dr. Carrera's way of acting during the presentation was professional and interesting. He was moving around and gesticulating in a relaxed way and without stressing the public, in order to explain the contents of his topic, which made the audience follow and look at him during the whole presentation.

Furthermore, his way of speaking and his voice were very engaging. He was taking small breaks at the right moments to make the audience understand and think about specific content. Furthermore, he was speaking in an interesting way, not at all monotone, to hold the audience's attention. He also made small jokes and knew how to make them laugh at certain moments to keep the whole atmosphere relaxed during his presentation.

Another very positive point during the presentation was that Dr. Carrera was always relating to his audience. He never lost eye-contact and made sure that the people were following him. He also answered the audience's questions during and after the presentation which shows that he was well-prepared and able to give further explanations.

However, even though Dr. Carrera always gave the impression of being well-prepared regarding the content of his topic, he didn't manage to finish his presentation in the given time of one hour by a significant amount of time. Unfortunately, this is one of the worst-case scenarios for a presentation because he cannot present all the content to the public, which can cause open questions, misunderstandings or even a general lack of understanding.

In conclusion, Dr. Carrera's presentation was very interesting in terms of his way of acting, speaking and professional competency but unfortunately, he wasn't able to deliver all the content within the given time limit.