

Speaker: Alfonso Álamo

Title: Trends of Numerical Analysis in Industry

Abstract: In this talk, we will highlight the crucial role of Numerical Analysis in key areas of industry, specifically Natural Language Processing (NLP), Deep Learning, Reinforcement Learning, and Big Data. We hope to demonstrate how Numerical Analysis forms the backbone of successful algorithms, models, and systems. Also, we will briefly discuss how Numerical Analysis plays a critical role in handling the massive volumes of data in Big Data applications, including data preprocessing, analytics, and scalable computations.