UNIVERSIDAD DE GRANADA

Máster Universitario en Estructuras

Conferencia New Human-Machine Interfaces for Enhanced Human Control of Dynamics and Emergencies

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In recent decades, SHM research has used field deployments and signal processing that transform decisions related to the health of a structure or inform the human/operator on their maintenance/management. In the context of emergencies, operators, engineers, and health care staff are in general using data collected by others, and sometimes processed by others, in the cloud, or using computer models. If humans would be able to access relevant data related to safety or damage in the field directly, they could transform decisions in real-time which is important during emergencies. This presentation summarizes new work on human decisions exploring the concept of new human-machine interfaces associated with trajectories optimization and dynamics, with applications to emergency medicine and emergency rescue. This presentation summarizes work in the area of human-in-the-loop with application on real-time computer vision, robot enabled access to specimens, discussions on related work in the field.

Datos sobre la conferencia:

- Conferenciante: Dr. Fernando MOREU. Associate Professor in structural engineering University of New Mexico (UNM) at Albuquerque
- Fecha y hora: Viernes 7 de Octubre 2022. 12:30 h
- Lugar: Aula 110. ETS Ingeniería de Caminos, Canales y Puertos