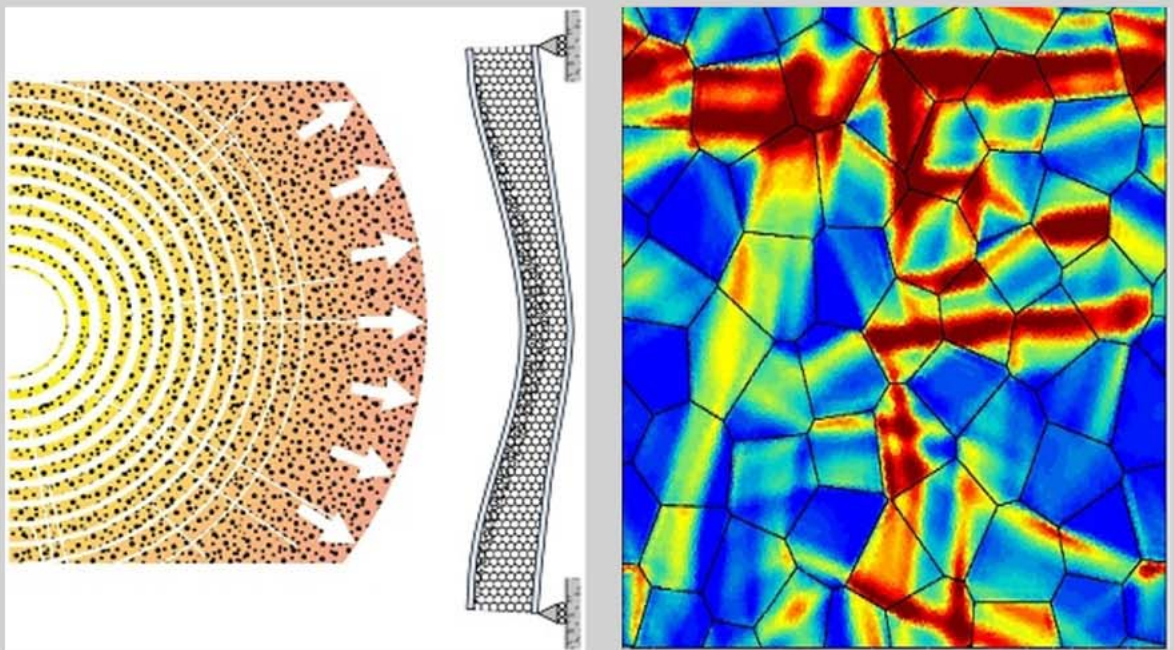




seminarios máster estructuras

EXPLOSIVE INTERACTIONS OF GRANULAR MEDIA WITH STRUCTURES



Dr. Vikram Deshpande

University of Cambridge, Department of Engineering,
Cambridge, UK

Día: Martes 17 de abril 2012

Hora: 12:30h

Lugar: seminario I, 4ª planta de:
E.T.S. Ingeniería de Caminos, C y P, Campus Fuentenueva

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s e m i n a r i o s m á s t e r e s t r u c t u r a s



Dr. Vikram Deshpande

University of Cambridge, Department of Engineering, Cambridge, UK

The "fluid-structure" interaction when granular media travelling at high velocities impinge on structures will be discussed. Such interactions typically occur in landmine explosions, landslides and avalanches and involve the transfer of momentum from granular media to the structure. The phenomena involved are investigated via coupled discrete-continuum calculations and laboratory-scale model experiments.

The structures interaction including the design of structures will focus on the physics of soil-structure laboratory-scale model experiments. The talk will focus on the physics of soil-structure interaction including the design of structures that can survive these events.

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