

# Keynote speakers INGEO2017



## Structural monitoring

**José Manuel Catarino**

Do we need structural monitoring?



## Virtual and augmented reality

**Alfredo Ferreira**

Virtual and augmented reality:  
from the Lab to the Wild



## Maritime structures

**Conceição Juana Fortes**

Application of stereo-photogrammetric methodologies  
to the design and monitoring of maritime structures



## UAV

**Gonçalo Vieira**

Assessing exposure of infrastructure to natural  
hazards using unmanned aerial systems:  
case studies from the Andes, Portugal,  
Antarctica and Cape Verde



## Concrete dams

**Domingos Silva Matos**

The role of survey methods in the  
monitoring of concrete dams



## Classical surveying methods

**Kopáček Alojz**

The potential of classical surveying methods  
for health care monitoring of large structures



## Geotechnical works

**Ana Quintela**

The role of monitoring in Geotechnical works



## Ground based radar interferometry

**Wolfgang Niemeier**

Potential of space based and ground based  
radar interferometry for deformation monitoring



## Monuments and historic buildings

**Paulo Lourenço**

Monuments and historic buildings: applications  
and challenges in structural engineering



## Laser scanner

**Wunderlich Thomas**

3D congruency: the point cloud problem



## Bridges

**Sokol Milan**

Dynamic response of bridges  
and its monitoring needs



## GNSS

**Virgílio Mendes**

GNSS: tools to monitor a dynamic Earth