

# 1<sup>st</sup> MYGEC

## 1<sup>st</sup> Mediterranean Young Geotechnical Engineers Conference

Double Events - MYGEC & EYGEC



**23-24<sup>th</sup> September, 2019**  
Kefaluka Resort Hotel Bodrum, Muğla-Turkey

- Site investigation
- Testing and instrumentation methods for laboratory and field
- Soil properties and soil behavior
- Ground improvement and reinforcement
- Geosynthetics
- Constitutive, numerical and physical modelling
- Recent advances in numerical modeling
- Recent advances in physical modeling
- Selection of design parameters
- Foundation engineering
- Deep excavations and retaining structures
- Tunneling and underground structures
- Infrastructure projects
- Embankments, levees, or dams
- Slopes and landslides
- Earth structures
- Port and marine structures
- Transportation geotechnics
- Environmental geotechnics
- Energy geotechnics
- Soil-structure interaction
- Offshore structures - wind farms, oil and gas facilities
- Lifelines - pipelines, communications, and transportation systems
- Resiliency - emergency response, land use planning, and recovery
- Earthquake engineering
- Seismic hazard assessments
- Ground motions and site response
- Multi-hazard considerations - hurricane, tsunami, flood, sea-level rise
- Physical modeling - centrifuge, shaking table, or field scale
- Numerical analyses - dynamic or simplified
- Performance based design methodologies - probabilistic frameworks
- Performance based design - codes and guidance
- Sustainability and life cycle cost analyses
- Liquefaction
- Challenging soils
- Vibration isolation

- Education