TBM DiGs is an international conference series that provides a specialized technological forum discussing and exchanging knowledge related to TBM works in difficult grounds. The series covers a wide range of topics, including characterization of difficult grounds, field observations and case studies, physical and laboratory tests, numerical modelling and techniques, treatments of difficult grounds, TBM design and installation, tunnel support design, monitoring and risk management. TBM DiGs 2019 is the fourth conference in this series.

TBM DiGs 2019 is jointly organized by universities, research organizations, contractors, machine manufacturers, and other stakeholders in the tunneling industry on a global level and is focused on TBM tunnelling technologies. The conference organizers would like to welcome researchers and practitioners involved with TBM tunnelling to the TBM DiGs 2019 conference to share, to cooperate, and to progress. The Organizing Committee for TBM-DiG 2018 includes UCT faculty as well as TBM experts from around the world.

**KEYNOTE SPEAKERS**

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Herbert Einstein</td>
<td>Professor, Massachusetts Institute of Technology</td>
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<tr>
<td>Lok Home</td>
<td>President, The Robbins Company</td>
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<tr>
<td>Werner Burger</td>
<td>Chief Engineer, Herrenknecht AG</td>
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<tr>
<td>Wang Dujuan</td>
<td>CTO, China Rail Equipment Group (CREG)</td>
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<td>Anoosh Shamsabadi</td>
<td>Transportation Engineering Manager, California High Speed Rail Authority</td>
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<tr>
<td>Enrique Fernández</td>
<td>Head of Tunneling Technical Department, GGravity Engineering</td>
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**PARTNER INSTITUTIONS**

- ETHzürich
- Istanbul Teknik Üniversitesi
- Korea Institute of Civil Engineering and Building Technology
- Louisiana Tech University Trenchless Technology Center
- Monash University Department of Civil Engineering
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**Conference Website:** https://tbmdigs2019.org

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The Conference provides an excellent opportunity for sharing knowledge through papers presented at the Conference. The schedule for submittal of abstracts and manuscripts is shown below.

- **April 2018**: Call for abstracts
- **August 1, 2018**: Abstract submission starts
- **November 19, 2018**: Abstracts final deadline
- **January 1, 2019**: Abstract decisions to authors
- **June 1, 2019**: Full papers due
- **August 1, 2019**: Full papers review and selection announcement
- **October 1, 2019**: Paper revisions and final manuscripts due

**TOPICS**

- Rock - Very Hard and Abrasive rocks
- Rock - Squeezing ground
- Rock - Long and deep tunnels
- Soil - Sticky soil and Clogging
- Soil - Abrasive soil and high wear on TBM
- Soil - High water pressure – hyperbaric challenges
- Mixed Ground conditions
- Innovation – New Technology (construction chemicals, sensory systems, big data, operational simulation)
- High Groundwater inflow / Gassy tunnels
- Extreme TBM tunneling (very small/big TBMs, remote areas, outer space construction)
- Manufacturing challenges and new developments
- Logistics and Site Management for challenging TBM tunneling

**PAPERS**

For more information, visit the Conference website: [https://tbmdigs2019.org](https://tbmdigs2019.org)

Questions? Contact Jamal Rostami, rostami@mines.edu

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Questions? Contact Jamal Rostami, rostami@mines.edu

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