

Tunnel Boring Machines in Difficult Grounds

4th International Conference

November 14 - 15, 2019
Golden, Colorado USA

See the recent advances in TBM technology and innovations



underground

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.

Listen to the world's foremost experts in TBM tunneling

KEYNOTE SPEAKERS

| | |
|-------------------|--|
| Herbert Einstein | Professor, Massachusetts Institute of Technology |
| Lok Home | President, The Robbins Company |
| Werner Burger | Chief Engineer, Herrenknecht AG |
| Wang Dujuan | CTO, China Rail Equipment Group (CREG) |
| Anoosh Shamsabadi | Transportation Engineering Manager, California High Speed Rail Authority |
| Enrique Fernández | Head of Tunneling Technical Department, GGravity Engineering |

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
Montan Universität Leoben
Norwegian University of Science and Technology
Politecnico di Torino
RUHR Universität Bochum
Seoul National University
Southeast University Institute of Future Underground Space
Tongji University
Wuhan University

Share the experiences of recent TBM tunneling projects in Difficult Ground Conditions!



Photo courtesy of CREG

INDUSTRY PARTNERS



Conference Website: <https://tbmdigs2019.org>

Interact with TBM manufacturers, contractors, consultants and support industries

Tunnel Boring Machines in Difficult Grounds

4th International Conference

November 14 - 15, 2019
Golden, Colorado USA

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

SPONSORS AND EXIBITORS

Opportunities for sponsorship and exhibition space can be explored on the Conference website at the links shown below.

SPONSORSHIPS

- Diamond \$10,000
- Platinum \$7,500
- Gold \$5,000
- Silver \$2,500
- ... other levels available

<https://tbmdigs2019.org/sponsor.html>

EXHIBITORS

Exhibition space will be available at rates ranging from \$2,000 to \$3,500.

<https://tbmdigs2019.org/exhibitors.html>

FOR MORE INFORMATION

Conference website: <https://tbmdigs2019.org>

Questions? Contact Jamal Rostami, rostami@mines.edu



Photo courtesy of Herrenknecht AG

PAPERS

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

August 1, 2018

November 19, 2018

January 1, 2019

June 1, 2019

August 1, 2019

October 1, 2019

Call for abstracts

Abstract submission starts

Abstracts final deadline

Abstract decisions to authors

Full papers due

Full papers review and selection announcement

Paper revisions and final manuscripts due



Photo courtesy of The Robbins Company

