

## ISTVS Themes

### 2019 Research Opportunities

ISTVS professionals work worldwide in labs and in the field researching a broad range of vehicle-terrain interactions.

Our 2019 emphases include terramechanics-based AI techniques and advanced autonomous cooperative construction and agricultural vehicles.

### ISTVS Tracks

**Agricultural, Earth-Moving, and Operating Machinery**

**Design, Modeling, and Simulation of Terrain-Vehicle Systems**

**Environment**

**Planetary Rovers, Mobile Robotics, and Autonomous Navigation**

**Terramechanics**

**Terrain Characterization and Evaluation**

**Vehicle Mobility Dynamics and Control**

**Vehicle-Terrain Interaction**

[www.istvs.org](http://www.istvs.org)

## Take the Next Step

### Consider joining the Society

Revisit the fundamentals and learn new techniques for terrain-vehicle systems.

ISTVS membership includes print and digital access to the leading journal in the field, the *Journal of Terramechanics* as well as regular newsletter updates — all to help you stay up on advances in the field. Your ISTVS membership also includes:

- Connect professionally with other members at our events and in our online member directory
- Access our terramechanics job board
- Early access to material on the development of the next-generation NATO Reference Mobility Model
- ISTVS Resource Initiative which provides curriculum material, terramechanics standards and terminology, videos, military applications of terramechanics

### Application for membership

We welcome your application for membership. Apply online now:

[www.istvs.org/application](http://www.istvs.org/application)

It's an exciting time to be a terramechanics engineer!



# International Society for Terrain-Vehicle Systems





# ISTVS: Who We Are

## We invite you to join us

Our annual conferences share the latest advances. Our journal and website resources hold the background you need for your next project.

The terramechanics expertise of ISTVS members is needed more than ever – with advances in planetary rovers, autonomous ground vehicles, forestry equipment, next-generation NRMM, operatorless construction vehicles, autoguidance agricultural equipment and so many other advances in terrain-vehicle interaction. Our members work in DEM, stability and slip control, mobility sensors, and off-road safety. We are reinventing ourselves to provide strong benefits to our members.

## MISSION

The mission of the ISTVS is to advance the knowledge in terrain-vehicle systems for improvements in engineering practice and for innovation; in the terrain-vehicle domain, to promote the transfer of advanced knowledge to the user for the benefit of society at large in environmental protection, energy conservation, and sustainable development.



# ISTVS at Work



# ISTVS Member Benefits

As an ISTVS member, you will enjoy these benefits:

- Print and digital subscription to our *Journal of Terramechanics*
- Cutting-edge research in special issues of the *Journal of Terramechanics* and in ISTVS conference sessions
- Participate in updating the ISTVS Terramechanics Standards
- Connect professionally with other ISTVS members at our events and in our online member directory
- Discounted registration rates for our annual ISTVS conferences and our Proceedings
- Stay current with regular updates on the field with our ISTVS Newswire online and email
- Online education exchange
- Participate in building the new ISTVS Resource Initiative, a wiki-based technical guide created by the working professionals of ISTVS
- Access to funded research grant opportunities
- Students gain opportunities to connect with working professionals
- Job board for recruiters and job and internship seekers

Join us as we move forward!