

[TF-2] Robotics in challenging and hazardous environments
Ashley Stroupe and Ayanna Howard
<http://humanslab.ece.gatech.edu/ICRAWorkshop.html>

TALK TITLE	AUTHORS	SPEAKER	TIME
Introduction		Howard	08:30 – 08:50
Guardians: Robot Assistants in Hazardous Emergencies	Cervera et al.	Cervera	08:50 – 09:20
Infrared 3D Computer Vision for Mobile Robots	Hajebi and Zelek	Zelek	09:20 – 09:50
Field Characterization of Humanitarian Demining for Future Robotic Assessment	Singh, Freese, Trevelyan	Singh	09:50 – 10:20 10:20 – 10:40
BREAK			
Robust Mission Planning using Deliberative Autonomy for Autonomous Underwater Vehicles	Rajan, McGann, Py, Thomas	Rajan	10:40 – 11:10
Assessment Autonomous Operation of Unmanned Surface Vehicles	Huntsberger et al.	Stroupe	11:10 – 11:40
Panel Discussion		Howard	11:40 – 12:30
LUNCH			
Welcome Back		Stroupe	14:00 – 14:10
Mechanical Design on Mole Typed Robot for Subsurface Exploration	Kubota et al.	Kubota	14:10 – 14:40
Trajectory Generation and Path Planning for Autonomous Aerobots	Sharma, Kulczycki, Elfes	Kulczycki	14:40 – 15:10
Robotic Mars Geology with TRESSA: Beyond the Mars Rovers	Stroupe, Huntsberger, Garrett, Younse	Stroupe	15:10 – 15:40
BREAK			
Robotic Surface Operations: From Prototypes to Flight Rovers	Tunstel et al.	Tunstel	16:10 – 16:40
Challenges in Robotic and Robot-Assistive Activities on the Moon and Mars	Wright	Wright	16:40 – 17:10
Panel Discussion		Stroupe	17:10 – 18:00