



## Agenda

**Friday, December 20, 2013**

6:00 AM	Parking and Pedestrian Access Open			Gate 1
7:00 AM	Food Concessions Open			Paddock Cafe
7:00 AM	Opening Ceremony			Champion's Circle
<b>8:00 AM</b>	<b>DRC Tasks</b>			
	<i>TEAMS</i>	<i>TASKS (RED)</i>	<i>TEAMS</i>	<i>TASKS (BLUE)</i>
	Tartan Rescue	<b>1: Vehicle</b>	Team HKU	<b>1: Vehicle</b>
	Team Chiron	<b>2: Terrain</b>		
	RoboSimian	<b>3: Ladder</b>	Team TROOPER	<b>3: Ladder</b>
	NASA JSC Team Valkyrie	<b>4: Debris</b>	MIT	<b>4: Debris</b>
	SHAFT	<b>5: Door</b>	Team ViGIR	<b>5: Door</b>
	Team THOR	<b>6: Wall</b>	Team TRAC Labs	<b>6: Wall</b>
	Intelligent Pioneer	<b>7: Valve</b>		
	Team KAIST	<b>8: Hose</b>	WPI Robotics Engineering C Squad (WRECS)	<b>8: Hose</b>
<b>9:00 AM</b>	<b>DRC Tasks</b>			
	<i>TEAMS</i>	<i>TASKS</i>	<i>TEAMS</i>	<i>TASKS</i>
	Intelligent Pioneer	<b>6: Wall</b>		
	Team KAIST	<b>7: Valve</b>	WPI Robotics Engineering C Squad (WRECS)	<b>7: Valve</b>
<b>9:15 AM</b>	<b>DRC Tasks</b>			
	<i>TEAMS</i>	<i>TASKS (RED)</i>	<i>TEAMS</i>	<i>TASKS (BLUE)</i>
	DRC-Hubo	<b>1: Vehicle</b>	IHMC Robotics	<b>1: Vehicle</b>
	Team Mojavatton	<b>2: Terrain</b>		
<b>9:30 AM</b>	DRC Expo Area Open	<i>(See attached schedule of activities)</i>		
<b>10:00 AM</b>	<b>DRC Tasks</b>			
	<i>TEAMS</i>	<i>TASKS (RED)</i>	<i>TEAMS</i>	<i>TASKS (BLUE)</i>
	SHAFT	<b>4: Debris</b>	Team ViGIR	<b>4: Debris</b>
	Team THOR	<b>5: Door</b>	Team TRAC Labs	<b>5: Door</b>
			WPI Robotics	<b>6: Wall</b>
			Engineering C Squad (WRECS)	
	NASA JSC Team Valkyrie	<b>8: Hose</b>	MIT	<b>8: Hose</b>
<b>10:30 AM</b>	<b>DRC Tasks</b>			
	<i>TEAMS</i>	<i>TASKS (RED)</i>	<i>TEAMS</i>	<i>TASKS (BLUE)</i>
	RoboSimian	<b>1: Vehicle</b>	Team TROOPER	<b>1: Vehicle</b>
	Tartan Rescue	<b>2: Terrain</b>	Team HKU	<b>2: Terrain</b>
	Team Chiron	<b>3: Ladder</b>		



# ROBOTICS CHALLENGE TRIALS 2013

Friday, December 20, 2013 (continued)

<b>11:00 AM</b>	<b>DRC Tasks</b>			
	<i>TEAMS</i> Intelligent Pioneer Team KAIST NASA JSC Team Valkyrie SCHAFT	<i>TASKS (RED)</i> <b>5: Door</b> <b>6: Wall</b> <b>7: Valve</b> <b>8: Hose</b>	<i>TEAMS</i>  MIT Team ViGIR	<i>TASKS (BLUE)</i>  <b>7: Valve</b> <b>8: Hose</b>
<b>12:30 PM</b>	<b>DRC Tasks</b>			
	<i>TEAMS</i> Team Chiron DRC-Hubo Team Mojavatton	<i>TASKS (RED)</i> <b>1: Vehicle</b> <b>2: Terrain</b> <b>3: Ladder</b>	<i>TEAMS</i>  IHMC Robotics	<i>TASKS (BLUE)</i>  <b>2: Terrain</b>
<b>1:00 PM</b>	<b>DRC Tasks</b>			
	<i>TEAMS</i> Team THOR Team KAIST  NASA JSC Team Valkyrie SCHAFT	<i>TASKS (RED)</i> <b>4: Debris</b> <b>5: Door</b>  <b>6: Wall</b> <b>7: Valve</b>	<i>TEAMS</i> Team TRAC Labs WPI Robotics Engineering C Squad (WRECS) MIT Team ViGIR	<i>TASKS (BLUE)</i> <b>4: Debris</b> <b>5: Door</b>  <b>6: Wall</b> <b>7: Valve</b>
<b>1:45 PM</b>	<b>DRC Tasks</b>			
	<i>TEAMS</i> RoboSimian Tartan Rescue	<i>TASKS (RED)</i> <b>2: Terrain</b> <b>3: Ladder</b>	<i>TEAMS</i> Team TROOPER Team HKU	<i>TASKS (BLUE)</i> <b>2: Terrain</b> <b>3: Ladder</b>
<b>2:00 PM</b>	<b>DRC Tasks</b>			
	<i>TEAMS</i> Intelligent Pioneer Team THOR	<i>TASKS (RED)</i> <b>4: Debris</b> <b>8: Hose</b>	<i>TEAMS</i>  Team TRAC Labs	<i>TASKS (BLUE)</i>  <b>8: Hose</b>
<b>3:00 PM</b>	<b>DRC Tasks</b>			
	<i>TEAMS</i> Team Mojavatton DRC-Hubo Team KAIST  NASA JSC Team Valkyrie SCHAFT Team THOR Intelligent Pioneer	<i>TASKS (RED)</i> <b>1: Vehicle</b> <b>3: Ladder</b> <b>4: Debris</b>  <b>5: Door</b> <b>6: Wall</b> <b>7: Valve</b> <b>8: Hose</b>	<i>TEAMS</i>  IHMC Robotics WPI Robotics Engineering C Squad (WRECS) MIT Team ViGIR Team TRAC Labs	<i>TASKS (BLUE)</i>  <b>3: Ladder</b> <b>4: Debris</b>  <b>5: Door</b> <b>6: Wall</b> <b>7: Valve</b>
<b>6:00 PM</b>	Speedway closed to Spectators			
<b>7:00 PM</b>	Food Concessions Close			Paddock Cafe



# ROBOTICS CHALLENGE TRIALS 2013

Saturday, December 21, 2013

6:00 AM	Parking and Pedestrian Access Open			Gate 1
7:00 AM	Food Concessions Open			Paddock Cafe
<b>8:00 AM</b>	<b>DRC Tasks</b>			
	<i>TEAMS</i>	<i>TASKS (RED)</i>	<i>TEAMS</i>	<i>TASKS (BLUE)</i>
	NASA JSC Team Valkyrie	<b>1: Vehicle</b>	MIT	<b>1: Vehicle</b>
	Intelligent Pioneer	<b>2: Terrain</b>		
	Team THOR	<b>3: Ladder</b>	Team TRACLabs	<b>3: Ladder</b>
	Tartan Rescue	<b>4: Debris</b>	Team HKU	<b>4: Debris</b>
	Team Mojavatton	<b>5: Door</b>		
	RoboSimian	<b>7: Valve</b>	Team TROOPER	<b>7: Valve</b>
	DRC-Hubo	<b>8: Hose</b>	IHMC Robotics	<b>8: Hose</b>
<b>9:00 AM</b>	<b>DRC Tasks</b>			
	<i>TEAMS</i>	<i>TASKS (RED)</i>	<i>TEAMS</i>	<i>TASKS (BLUE)</i>
	Tartan Rescue	<b>5: Door</b>	Team HKU	<b>5: Door</b>
	Team Chiron	<b>6: Wall</b>		
	RoboSimian	<b>8: Hose</b>	Team TROOPER	<b>8: Hose</b>
<b>9:15 AM</b>	<b>DRC Tasks</b>			
	<i>TEAMS</i>	<i>TASKS (RED)</i>	<i>TEAMS</i>	<i>TASKS (BLUE)</i>
	SCHAFT	<b>1: Vehicle</b>	Team ViGIR	<b>1: Vehicle</b>
	Team KAIST	<b>2: Terrain</b>		
			WPI Robotics Engineering C Squad (WRECS)	<b>3: Ladder</b>
<b>9:30 AM</b>	DRC Expo Begins	<i>(See attached schedule of activities)</i>		
<b>10:00 AM</b>	<b>DRC Tasks</b>			
	<i>TEAMS</i>	<i>TASKS (RED)</i>	<i>TEAMS</i>	<i>TASKS (BLUE)</i>
	DRC-Hubo	<b>4: Debris</b>	IHMC Robotics	<b>4: Debris</b>
	Team Mojavatton	<b>6: Wall</b>		
	Team Chiron	<b>7: Valve</b>		
<b>10:30 AM</b>	<b>DRC Tasks</b>			
	<i>TEAMS</i>	<i>TASKS (RED)</i>	<i>TEAMS</i>	<i>TASKS (BLUE)</i>
	Team THOR	<b>1: Vehicle</b>	Team TRACLabs	<b>1: Vehicle</b>
	NASA JSC Team Valkyrie	<b>2: Terrain</b>	MIT	<b>2: Terrain</b>
	Intelligent Pioneer	<b>3: Ladder</b>		
<b>11:00 AM</b>	<b>DRC Tasks</b>			
	<i>TEAMS</i>	<i>TASKS (RED)</i>	<i>TEAMS</i>	<i>TASKS (BLUE)</i>
	RoboSimian	<b>4: Debris</b>	Team TROOPER	<b>4: Debris</b>
	DRC-Hubo	<b>5: Door</b>	IHMC Robotics	<b>5: Door</b>
	Tartan Rescue	<b>6: Wall</b>	Team HKU	<b>6: Wall</b>
	Team Mojavatton	<b>7: Valve</b>		
	Team Chiron	<b>8: Hose</b>		



# ROBOTICS CHALLENGE TRIALS 2013

Saturday, December 21, 2013 (continued)

12:30 PM	<b>DRC Tasks</b>			
	TEAMS	TASKS (RED)	TEAMS	TASKS (BLUE)
			WPI Robotics	1: Vehicle
			Engineering C	
			Squad (WRECS)	
	SCHAFT	2: Terrain	Team ViGIR	2: Terrain
	Team KAIST	3: Ladder		
1:00 PM	<b>DRC Tasks</b>			
	TEAMS	TASKS (RED)	TEAMS	TASKS (BLUE)
	Team Chiron	4: Debris		
	RoboSimian	5: Door	Team TROOPER	5: Door
	DRC-Hubo	6: Wall	IHMC Robotics	6: Wall
	Tartan Rescue	7: Valve	Team HKU	7: Valve
	Team Mojavatton	8: Hose		
1:45 PM	<b>DRC Tasks</b>			
	TEAMS	TASKS (RED)	TEAMS	TASKS (BLUE)
	Intelligent Pioneer	1: Vehicle		
	Team THOR	2: Terrain	Team TRACLabs	2: Terrain
	NASA JSC Team Valkyrie	3: Ladder	MIT	3: Ladder
2:00 PM	<b>DRC Tasks</b>			
	TEAMS	TASKS (RED)	TEAMS	TASKS (BLUE)
	Team Mojavatton	4: Debris		
	Team Chiron	5: Door	Team TROOPER	6: Wall
	RoboSimian	6: Wall	IHMC Robotics	7: Valve
	DRC-Hubo	7: Valve	Team HKU	8: Hose
	Tartan Rescue	8: Hose		
3:00 PM	<b>DRC Tasks</b>			
	TEAMS	TASKS (RED)	TEAMS	TASKS (BLUE)
	Team KAIST	1: Vehicle		
			WPI Robotics	2: Terrain
			Engineering C	
			Squad (WRECS)	
	SCHAFT	3: Ladder	Team ViGIR	3: Ladder
6:00 PM	Closing Ceremony		Spectator Tent	
7:00 PM	Food Concessions Close		Paddock Cafe	



## DRC Expo Demonstrations

Friday, December 20<sup>th</sup> and Saturday, December 21<sup>st</sup>

	<b>Demonstration/Presenter(s)</b>	<b>Location</b>
9:30 AM–9:55 AM	First Responder Demo: Hazmat <i>Miami-Dade Fire Rescue Hazmat Team</i> <i>RoboteX</i>	Dynamic B
9:55 AM–10:20 AM	First Responder Demo 2: Inspection <i>Urban Search and Rescue Florida Task Force 2</i> <i>Carnegie Mellon University Snake Robot</i> <i>Tohoku University Active Scope Camera</i>	Dynamic A
10:20 AM–10:35 AM	Multi-Limbed Ground Robotics <i>Johns Hopkins Applied Physics Laboratory</i> <i>HDT Robotics Collaborative Limbed Robotics Demonstration</i>	Dynamic B
10:35 AM–11:05 AM	First Responder Demo 3: Breaching / Breaking <i>Urban Search and Rescue Florida Task Force 1</i>	Dynamic A
11:05 AM–11:20 AM	Chariot Rover <i>NASA</i>	Pit Lane
11:20 AM–11:50 AM	First Responder Demo 4: Shoring <i>Urban Search and Rescue Florida Task Force 1</i>	Dynamic A
12:30 PM–1:00 PM	First Responder Demo 5: Sample Collection / Identification / Decontamination <i>National Guard 48th Civil Support Team</i> <i>Miami-Dade Hazmat Team</i>	Dynamic B
1:00 PM–1:30 PM	Legged Robotics Demonstration <i>Boston Dynamics</i>	Pit Lane
1:30 PM–1:55 PM	First Responder Demo: Hazmat <i>Miami-Dade Fire Rescue Hazmat Team</i> <i>RoboteX</i>	Dynamic B
1:55 PM–2:20 PM	First Responder Demo 2: Inspection <i>Urban Search and Rescue Florida Task Force 2</i> <i>Carnegie Mellon University Snake Robot</i> <i>Tohoku University Active Scope Camera</i>	Dynamic A
2:20 PM–2:35 PM	Multi-Limbed Ground Robotics <i>Johns Hopkins Applied Physics Laboratory</i> <i>HDT Robotics Collaborative Limbed Robotics Demonstration</i>	Dynamic B
2:35 PM–3:05 PM	First Responder Demo 3: Breaching / Breaking <i>Urban Search and Rescue Florida Task Force 1</i>	Dynamic A
3:05 PM–3:20 PM	Chariot Rover <i>NASA</i>	Pit Lane
3:20 PM–3:50 PM	First Responder Demo 4: Shoring <i>Urban Search and Rescue Florida Task Force 1</i>	Dynamic A
3:50 PM–4:20 PM	First Responder Demo 5: Sample Collection / Identification / Decontamination <i>National Guard 48th Civil Support Team</i> <i>Miami-Dade Hazmat Team</i>	Dynamic B
4:20 PM–4:50 PM	Legged Robotics Demonstration <i>Boston Dynamics</i>	Pit Lane