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Cortesao, Rui
Univ. of Coimbra

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Chiku, Takeshi
Miura, Jun
Toyohashi Univ. of Tech.

Robot Navigation with Model Predictive Equilibrium Point Control, pp. 4945-4952.
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Johnson, Collin
Kuipers, Benjamin
Univ. of Michigan

Liau, Yung Siang
Zhang, Qun
Li, Yanan
Ge, Shuzhi Sam
National Univ. of Singapore

Connette, Christian Pascal
Haegéle, Martin
Verl, Alexander
Fraunhofer IPA
Fraunhofer-Gesellschaft

Shop Floor Based Programming of Assembly Assistants for Industrial Pick-And-Place Applications, pp. 4966-4971.
Dose, Sven
Dillmann, Rüdiger
Karlsruhe Inst. of Tech.
KIT Karlsruhe Inst. for Tech.
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**Motion Planning for Aerial Robotics (Regular Session)**  
Chair: Robuffo Giordano, Paolo Max Planck Inst. for Biological Cybernetics  

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Ritz, Robin ETH Zürich  
Mueller, Mark Wilfried ETH Zürich  
Hehn, Markus ETH Zürich  
D'Andrea, Raffaello ETHZ  

#### 16:30-16:45  
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Hehn, Markus ETH Zürich  
D'Andrea, Raffaello ETHZ  

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Spica, Riccardo Max Planck Inst. for Biological Cybernetics  
Franchi, Antonio Max Planck Inst. for Biological Cybernetics  
Orlolo, Giuseppe Univ. di Roma “La Sapienza”  
Bueichhoff, Heinrich H. Max Planck Inst. for Biol. Cybernetics  
Robuffo Giordano, Paolo Max Planck Inst. for Biological Cybernetics  

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**Visual Tracking and Following of a Quadrocopter by Another Quadrocopter**, pp. 4993-4998.  
Wenzel, Karl E. Univ. of Tübingen  
Masselli, Andreas Univ. of Tübingen  
Zell, Andreas Univ. of Tübingen  

### WedFT8  
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Chair: Kawamura, Sadao Ritsumeikan Univ.  

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**Minimum Angular Acceleration Control of Articulated Body Dynamics**, pp. 5006-5011.  
Movellan, Javier Univ. California San Diego  

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Nishida, Ryosuke Ritsumeikan Univ.  
Kawamura, Sadeo Ritsumeikan Univ.  

#### 16:45-17:00  
Kudeiski, Michal IDSIA  
Cinus, Marco IDSIA  
Gambardella, Luca Idsia  
Di Caro, Gianni A. IDSIA (USI/SUPSI)  

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Todorov, Emanuel Univ. of Washington  
Erez, Tom Univ. of Washington  
Tassa, Yuval Univ. of Washington  

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Janschek, Klaus  
Willich, Georg  
Tech. Univ. Dresden  
Tech. Univ. Dresden  
Astrium GmbH  

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Abiko, Satoko  
Jiang, Xin  
Konno, Atsushi  
Uchiyama, Masaru  
Tohoku Univ.  
Tohoku Univ.  
Tohoku Univ.  
Hokkaido Univ.  
Tohoku Univ.  

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Otsuki, Masatsugu  
Nishida, Shin-Ichiro  
National Inst. of AIST  
Japan Aerospace Exploration Agency  

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Leonard, Simon  
Deguet, Anton  
Whitcomb, Louis  
Kazanzides, Peter  
Johns Hopkins Univ.  
The Johns Hopkins Univ.  
The Johns Hopkins Univ.  
The Johns Hopkins Univ.  
The Johns Hopkins Univ.  

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Skonieczny, Krzysztof  
Moreland, Scott J.  
Wettergreen, David  
Carnegie Mellon Univ.  
Carnegie Mellon Univ.  
Carnegie Mellon Univ.  

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Rovithakis, George  
Tsagarakis, Nikolaos  
Aristotle Univ. of Thessaloniki  
Aristotle Univ. of Thessaloniki  
Aristotel Univ. of Thessaloniki  
Istituto Italiano di Tecnologia  

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Palli, Gianluca  
Melchiori, Claudio  
Univ. of Bologna  
Univ. of Bologna  

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Carloni, Raffaella  
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- Krieger, Kai
- Mansfeld, Nico
- Albu-Schäffer, Alin


- Haddadin, Sami
- Mansfeld, Nico
- Albu-Schäffer, Alin


- Macharet, Douglas Guimardes
- Florencio, Dinei


- Fernando, Charith Lasantha
- Furukawa, Masahiro
- Kurogi, Tadashi
- Kamuro, Sho
- Sato, Katsunari
- Minamizawa, Kouta
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- Atashzar, Seyed Farokh
- Polushin, Ilya G.
- Patel, Rajnikant V.


- Martens, Nikolas
- Jenke, Robert E.W.
- Abu-Alqumsan, Mohammad
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- Buss, Martin

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Pires, Gabriel  
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Co-Chair: Shimoda, Shingo  
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Geffard, Franck  
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Brouillet, Thibaut  
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Ben Amor, Heni  
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Asada, Minoru  
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Hornung, Armin  
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Co-Chair: Zell, Andreas  
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Wu, Chao-Lin
Weng, Mao Yuan
Lu, Ching-Hu
Fu, Li-Chen

National Taiwan Univ.
National Taiwan Univ.
National Taiwan Univ.
National Taiwan Univ.


Weng, Mao Yuan
Wu, Chao-Lin
Lu, Ching-Hu
Yeh, Hui-Wen
Fu, Li-Chen

National Taiwan Univ.
National Taiwan Univ.
National Taiwan Univ.
National Taiwan Univ.
National Taiwan Univ.

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Nieku, Scott
Osentoski, Sarah
Konidaris, George Dimitri
Barto, Andy

Univ. of Massachusetts Amherst
Robert Bosch LLC
MIT
Univ. of Massachusetts at Amherst

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Chair: Stilman, Mike  Georgia Tech.
Co-Chair: Lima, Pedro  Inst. Superior Técnico - Inst. for Systems and Robotics

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Liemhetcharat, Somchaya
Veloso, Manuela

Carnegie Mellon Univ.
Carnegie Mellon Univ.

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Levihn, Martin
Igarashi, Takeo
Stilman, Mike

Georgia Inst. of Tech.
The Univ. of Tokyo
Georgia Tech.

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Pecora, Federico
Cirillo, Marcello
Dimitrov, Dimitar Nikolaev

Örebro Univ.
Örebro Univ.
Örebro Univ.

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Meghjani, Malika
Dudek, Gregory

McGill Univ.
McGill Univ.

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Chair: Miura, Jun  Toyohashi Univ. of Tech.

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Johnson, Collin
Kulpers, Benjamin

Univ. of Michigan
Univ. of Michigan

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Peasley, Brian
Birchfield, Stan
Cunningham, Alexander

Clemson Univ.
Clemson Univ.
Georgia Inst. of Tech.
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Goulette, François  

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Mehraeianzadeh, Mehran  

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Jia, Yunyi  
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Colome, Adrià  
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Sagues, Carlos  
Llorente, Sergio  

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Cofasanto, Luca  

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Co-Chair: Torras, Carme  

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Becker, Aaron

Bretl, Timothy

Univ. of Illinois at Urbana-Champaign

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**Chair:** Dietrich, Franz

**Tech. Univ. Braunschweig**

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Schwesinger, Ulrich

Pradalier, Cedric

Siegwart, Roland

ETH Zurich

ETH Zurich

ETH Zurich

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Tomokuni, Nobuyasu

Shino, Motoki

Kinki Univ.

The Univ. of Tokyo

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Canete, Luis

Takahashi, Takayuki

Fukushima Univ.

Fukushima Univ.

**WedGT9.1**

**A Novel Approach for Steeringwheel Synchronization with Velocity/Acceleration Limits and Mechanical Constraints**, pp. 5369-5366.

Schwesinger, Ulrich

Pradalier, Cedric

Siegwart, Roland

ETH Zurich

ETH Zurich

ETH Zurich

**WedGT9.2**

**Wheeled Inverted-Pendulum-Type Personal Mobility Robot with Collaborative Control of Seat Slider and Leg Wheels**, pp. 5367-5372.

Tomokuni, Nobuyasu

Shino, Motoki

Kinki Univ.

The Univ. of Tokyo

**WedGT9.3**

**Disturbance Compensation in Pushing, Pulling, and Lifting for Load Transporting Control of a Wheeled Inverted Pendulum Type Assistant Robot Using the Extended State Observer**, pp. 5373-5380. **Attachment**

Canete, Luis

Takahashi, Takayuki

Fukushima Univ.

Fukushima Univ.

**WedGT9.4**


Inal, Ali Nail

Morgul, Omer

Saranli, Uluc

Bilkent Univ.

Bilkent Univ.

Bilkent Univ.

**WedGT10**

**Safety, Failure Handling and Recovery II (Regular Session)**

**Chair:** Prassler, Erwin

**Bonn-Rhein-Sieg Univ. of Applied Sciences**

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Richier, Mathieu

Lenain, Roland

Thuilot, Benoit

Debain, Christophe

IRSTEA

Irstea

Clermont-Ferrand Univ.

Irstea

**WedGT10.1**

**Dual Back-Stepping Observer to Anticipate the Rollover Risk in Under/over-Steering Situations. Application to ATVs in Off-Road Context**, pp. 5387-5393.

Richier, Mathieu

Lenain, Roland

Thuilot, Benoit

Debain, Christophe

IRSTEA

Irstea

Clermont-Ferrand Univ.

Irstea

**WedGT10.2**


Ertle, Philipp

Tokic, Michel

Cubek, Richard

Voos, Holger

Soffker, Dirk

Univ. Duisburg-Essen

Univ. of Applied Sciences Ravensburg-Weingarten

Ravensburg-Weingarten Univ. of Applied Sciences, Weingarten

Univ. of Applied Sciences Ravensburg-Weingarten

Univ. of Duisburg-Essen

**WedGT10.3**


Ertle, Philipp

Tokic, Michel

Cubek, Richard

Voos, Holger

Soffker, Dirk

Univ. Duisburg-Essen

Univ. of Applied Sciences Ravensburg-Weingarten

Ravensburg-Weingarten Univ. of Applied Sciences, Weingarten

Univ. of Applied Sciences Ravensburg-Weingarten

Univ. of Duisburg-Essen

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Hattori, Takamasa

Yamada, Yoji

Mori, Shuji

Okamoto, Shogo

Nagoya Univ.

Nagoya Univ.

Kyushu Univ.

Nagoya Univ.
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Haddadin, Simon
Khoury, Augusto
Rokahr, Tim
Parusel, Sven
Burgkart, Rainer
Bicchi, Antonio
Albu-Schäffer, Ali

German Aerospace Center (DLR)
German Aerospace Center
German Aerospace Center
German Aerospace Center
Tech. Univ. München
Univ. di Pisa
DLR - German Aerospace Center

WedGVT4

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Yoshimura, Youtaro
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Ritsumeikan Univ.
Ritsumeikan Univ.

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Matthews, Dennis
Brett, Timothy

Univ. of Illinois (Urbana-Champaign)
Univ. of Illinois at Urbana-Champaign

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Kurta, Naoyuki
Sakaino, Sho
Tsuji, Toshiaki

Saitama Univ.
Saitama Univ.
Saitama Univ.

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Chen, Tiffany
Ciocarlie, Matei
Cousins, Steve
Grice, Philip M.
Hawkins, Kelsey
Hsiao, Kaigen
Kemp, Charlie
King, Chih-Hung
Lazewatsky, Daniel
Leeper, Adam Eric
Nguyen, Hai
Paepcke, Andreas
Pantofaru, Caroline
Smart, William
Takayama, Leila

Georgia Inst. of Tech.
Willow Garage
Willow Garage, Inc.
Georgia Inst. of Tech.
Georgia Inst. of Tech.
Willow Garage
Georgia Inst. of Tech.
Georgia Inst. of Tech.
Oregon State Univ.
Stanford Univ.
Georgia Inst. of Tech.
Willow Garage Inc.
Willow Garage, Inc.
Washington Univ. in St. Louis
Willow Garage

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Wismer, Stefan
Hitz, Gregory
Bonani, Michael
Gribovskiy, Alexey
Pradalier, Cedric
Magnenat, Stéphane

Autonomous Systems Lab. ETH Zürich
ETH Zurich
EPFL
Ec. Pol. fédérale de Lausanne
ETH Zurich
ETH Zürich

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- Stone, Peter
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- Vanderborght, Bram
- Albu-Schaffer, Alin
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- Carloni, Raffaella
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- Ganesh, Gowrishankar
- Garabini, Manolo
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- Lefeber, Dirk
- Petit, Florian
- Stramigioli, Stefano
- Tsagarakis, Nikolaos
- Van Damme, MichaeÌ
- Van Ham, Ronald
- Visscher, Ludo C.
- Wolf, Sebastian
- Grebenstein, Markus


- Palli, Gianluca
- Scarca, Umberto
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- Bicho, Estela
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- Sousa, Emanuel
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