IFToMM
2015 TAIPEI

# 2015 IFToMM World Congress
Oct. 25-30, 2015
Taipei, Taiwan



Venue: Taipei International Convention Center, Taiwan

# Final Program

http://www.iftomm2015.tw

## Session 22: Computational Kinematics II

Time: 10:45-12:15, Oct. 27
Location: Room 101B

Session Chairs:
Prof. Doina Pisla, University of Cluj-Napoca, Romania
Prof. Hans-Peter Schröcker, University of Innsbruck, Austria

**OS2-009**
**Decoupled Parallel Manipulators Generating S-RS-US Structures: Instantaneous Kinematics and Singularity Analysis**
Raffaele Di Gregorio
*University of Ferrara, Italy*

**OS2-012**
**Geometric Identification of a Four-Bar Linkage from Noisy Tracking Data**
Cs. Antonya[1], S. Butnariu[1] and H. Beles[2]
*1) Transilvania University, Romania*
*2) University of Oradea, Romania*

**OS2-013**
**Factorization of Rational Motions: A Survey with Examples and Applications**
Z. Li[1], T.-D. Rad[2], J. Schicho[3] and H.-P. Schröcker[2]
*1) Austrian Academy of Sciences, Austria*
*2) University of Innsbruck, Austria*
*3) Johannes Kepler University, Austria*

**OS2-014**
**7R Darboux Linkages by Factorization of Motion Polynomials**
Z. Li[1], J. Schicho[2] and H.-P. Schröcker[3]
*1) Austrian Academy of Sciences, Austria*
*2) Johannes Kepler University, Austria*
*3) University of Innsbruck, Austria*

**OS2-015**
**Kinematic Behaviour of 2-CRR-CYL-U Parallel Robot for Brachytherapy**
D. Cocorean, N. Plitea, C. Vaida and D. Pisla
*University of Cluj-Napoca, Romania*

**OS2-042**
**On the Kinematics of an Innovative Parallel Robotic System for Transperineal Prostate Biopsy**
D. Pisla, B. Gherman, P. Tucan, C. Vaida, C. Govor and N. Plitea
*Technical University of Cluj-Napoca, Romania*

**OS2-049**
**An Innovative Parallel Robotic Structure Designed for Transperineal Prostate Biopsy**
C. Vaida, D. Pisla, P. Tucan, B. Gherman, C. Govor and N. Plitea
*Technical University of Cluj-Napoca, Romania*