WeCT1.5

Design and Shape Control of a Three-Section Continuum Robot

Ouyang, Bo
Hannam Univ

Liu, Yunhui
City Univ. of Hong Kong

Sun, Dong
City Univ. of Hong Kong

WeCT1.6

Motion Control of Articulated Rigid Bodies Used to Model Deformable Biomaterials

Hu, Ai-Ping
Georgia Tech. Res. Inst

Harvey, Noah
Georgia Tech. Res. Inst

Washington, Clarence
Georgia Inst. of Tech

WeCT2 Invited Session, KC Husky Great Hall Room 103

Control Issues in Mechatronic Systems for Medicine

Chair: Patel, Rajnikant V.
The Univ. of Western Ontario

Co-Chair: Herzig, Nicolas
Ampere UMR CNRS 5005 - INSA Lyon - Univ. De Lyon

Organizer: Rossa, Carlos
Univ. of Alberta

Organizer: Tavakoli, Mahdi
Univ. of Alberta

WeCT2.1

Stiffness Control of Pneumatic Actuators to Simulate Human Tissues Behavior on Medical Haptic Simulators (I)

Herzig, Nicolas
Ampere UMR CNRS 5005 - INSA Lyon - Univ. De Lyon

Moreau, Richard
INSA-Lyon

Lelevé, Arnaud
INSA De Lyon (Inst. National Des Sciences Appliquees), Univ

Pham, Minh Tu
INSA De Lyon (Inst. National Des Sciences Appliquees)

WeCT2.2

Tendon-Sheath Analysis for Modeling and Control of Steerable Ablation Catheters (I)

Khoshnam Tehrani, Mahta
The Univ. of Western Ontario

Patel, Rajnikant V.
The Univ. of Western Ontario

WeCT2.3

An Integrator-Backstepping Control Approach for Out-Of-Plane Needle Deflection Minimization (I)

Waine, Michael
Univ. of Alberta

Rossa, Carlos
Univ. of Alberta

Usmani, Nawaid
Cross Cancer Inst

Slloboda, Ronald
Cross Cancer Inst

Tavakoli, Mahdi
Univ. of Alberta

WeCT2.4

Partial Estimation of Needle Tip Orientation in Generalized Coordinates in Ultrasound Image-Guided Needle Insertion (I)

Fallahi, Bita
Univ. of Alberta

Rossa, Carlos
Univ. of Alberta

Slloboda, Ronald
Cross Cancer Inst

Usmani, Nawaid
Cross Cancer Inst

Tavakoli, Mahdi
Univ. of Alberta

WeCT2.5

Simple Torso Model for Upper Limb Compensatory Assessment after Stroke

Nordin, Nurdiana
Univ. of Auckland

Xie, Shane
Univ. of Auckland

Wuensche, Burkhard
Univ. of Auckland

WeCT3 Regular Session, KC Husky Great Hall Room 105