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TE06 : OS081 Advances in Process Control and Safety(1)

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Hossam A.Gabbar	
Application of Tracking Simulator to Reforming Process	1870
Akio Nakabayashi, Gentaro Fukano, Yasushi Onoe, Makoto Nakaya and Tetsuya Ohtani	
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Yoshiyuki Yamashita	
Design of Intelligent Fault Diagnostic Systems (FDS)	1885
Hossam A.Gabbar	

TE07 : OS014 Recent Advances of Process Temperature Measurement at High Temperature(1)

Using Metal-Carbon Eutectic Fixed Points for High Temperature Contact Thermometry at KRISS	1889
Yong-Gyoo Kim and Inseok Yang	
Fiber-Optic Thermometer Using Thermal Radiation and Thermally Excited Luminescence	1893
Toru Katsumata, Kentaro Morita, Hiroaki Aizawa, Shuji Komuro and Takitaro Morikawa	
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TE08 : OS032 Haptics(2) Tactile Device, Sensing, Evaluation

Wearable Fingertip Tactile Display	1910
Koo Igmo, Jung Kwangmok, Koo Jachoon, Nam Jaedo, Lee Youngkwan and Choi Hyoukryeol	
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TE09 : Sensor(2)

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TE10 : Measurement(1)

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Daisuke Narita and Mitsuru Baba	
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Kentaro Oka	
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Yasutoshi Makino, Akimasa Okada and Hiroyuki Shinoda	
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Nitipong Somchaiwong, Witoon Prommee and Suchitha Jeenawong	

TE11 : OS056 Navigation Technologies for Intelligent Mobile Robot

Obstacle Detection and Feature Extraction using 2.5D Range Sensor System	1999
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Jungho Kim	
Angular Uncertainty Reduction of Sonar Range Data for a Grid-based Map Building	2009
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TE12 : OS059 RT (Robot Technology) System Integration(3)

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The Development Projects of Advanced Robot Technology in Japan	2046
Masayoahi Yokomachi	

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Development of an Outdoor Service Robot	2051
Takeshi Nishida and Shuichi Kurogi	
Car Parking Control using a Trajectory Tracking Controller	2057
Kooktae Lee, Dalhyung Kim, Woojin Chung, Hyo Whan Chang and PaJoo Yoon	

[Omnidirectional Control of 4WD Robotic Base](#)

Masayoshi Wada

2063

[Self-reconfiguration by a Modular Robot That Has a Cell-differentiation Ability](#)

Tomoki Maegawa and Akio Ishiguro

2067

[Measurement and Correction of Systematic Odometry Errors Caused by Kinematics Imperfections in Mobile Robots](#)

Tanveer Abbas, Muhammad Arif and Waqas Ahmed

2072

[Visual Feedback Control with Laser for the Position Detection of Crane Hook](#)

Daisuke Miyamoto, Shunsuke Nara and Satoru Takahashi

2078

TE14 : ICOS04 Intelligent Robot[Context-Aware Server Framework for Network-based Service Robots](#)

Hyun Kim, Minkyong Kim, Kang-Woo Lee, Young-Ho Suh, Joonmyun Cho and Young-jo Cho

2083

[Multi-functional Capsule Endoscope for Gastro-intestinal Tract](#)

Sukho Park, Jongoh Park, Hyunjun Park, Sungjin Park, Changyeol Jee, Sangkyu Park and Byungkyu Kim

2089

[An Approach to the Next Generation Robot System](#)

Yasuo Kishi, Kazuhiko Yokoyama and Kenji Matsukuma

2093

[Mobile Robot Localization Using a Gyroscope and Constrained Kalman Filter](#)

Hyun Myung, Hyoung-Ki Lee, Kiwan Choi, Seokwon Bang, YeunBae Kim and Sangryong Kim

2097

[Evolutionary Approach to design Behavior Generator of Communication Robot](#)

Yuki Suga, Tetsuya Ogata and Shigeki Sugano

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[ApriAlpha\(TM\) V3 - Sharp Ear Robot - and the Omni-Directional Auditory Process](#)

Toshiyuki Koga

2109

TE15 : OS048 Application Technology of Driving Simulator[Development and Evaluation of ITS Devices Using KAAS\(KATECH Advanced Automotive Simulator\) System](#)

Si-bok Yu, Soo-Young Lee, Moon-Sik Kim and Doun-Geun Lee

2115

[Application of Vehicle Driving simulator Using New Washout Algorithm and Robust Control](#)

Kyoung Dal Kim, Moon Sik Kim, Young Geun Moon and Min Cheol Lee

2120

[Evaluation of Integrated ACC\(Adaptive Cruise Control\)/CA\(Collision Avoidance\) on a Virtual Test Track](#)

Donghoon Han, Kyongsu Yi and Seungjong Yi

2126

[Development of the GPS Simulator for Driving Simulators](#)

TaeYun Koo, MyoungWon Suh, SungHo Ji, HyunJun Kim, ChulHo Bae and JungHwan Lee

2132

[A Driving Simulator Study on Adaptive Cruise Control Failure](#)

JooHo Park

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