

CONTENTS

1 . Space Securing in Minimally Invasive Surgery – Development of master system considering maneuverability – Shuta MATSUMURA, Hideaki TAKANOBU, Haruka KAWAMITSU, Yousuke AKABANE, Kenji SUZUKI, Hirofumi MIURA, Masakatsu G. FUJIE, Jun OKAMOTO, Hiroshi ISEKI.....	1
2 . Research on Swarm Intelligence Robot – Swarm movement control by intercommunication – Hiroaki TOKITA, Hideaki TAKANOBU, Masanao FUTAKAMI, Kazuma Horie, Kenji SUZUKI, Hirofumi MIURA, Yoshinobu INADA.....	7
3 . Research of personal navigation system in hospital – Development of the indoor positioning system using the indoor infrastructure – Takayuki MIYAZAKI, Hideaki TAKANOBU, Kenji SUZUKI, Hirofumi MIURA, Takeshi TANZAWA, Yoshikazu MIYAZAKI, Kotaro MAKI.....	13
4 . Study on robots that can grow like humans – Operation of infancy that uses simulation – Keishi YOKOTA, Hideaki TAKANOBU, Hidenori IMAI, Takuya BANDO, Kenji SUZUKI, Hirofumi MIURA.....	19
5 . Study of Tongue type Multi-DOF Flexible Robot – Construction of Robot model – Takumi ITABASHI, Hideaki TAKANOBU, Takahiro YAMAO, Kenji SUZUKI, Hirofumi MIURA.....	25
6 . Dental Patient Robot as a Mechanical Simulator – The pain expression – Fumihiko TAKAHASHI, Hideaki TAKANOBU, Takashi ISHIGURO, Yuichi TANAKA, Kenji SUZUKI, Hirofumi MIURA, Kotaro MAKI, Mutsumi MADOKORO, Takeshi TANZAWA.....	31
7 . Influence of Fillers on Kinetic Crystallization Behavior and Mechanical Properties of Polypropylene Composites Ryohei INOUE, Ryo MITSUTA, Ryosuke HARA, Sadao SATO.....	37
8 . Effects of Natural Fiber (NF) Content on the Mechanical Properties of Polybutylene Succinate Adipate (PBSA) Composites Ryo MITSUTA, Tomohiro AMANO, Keiji SATO, Mitsutomo ONO, Sadao SATO.....	47
9 . Study on characteristic of spray and combustion of bio diesel fuel Yasuyosi TOMITA, Junya TANAKA, Koji KOREMATSU, Taiki TOKUDOME.....	53
10 . Control of the Purchased Energy of Microgrid Using Mobile Agent Technologies Motohisa ISHIKAWA, Shuichiro YAMAZAKI, Junichi ARAI.....	61
11 . Application of Mobile Agent Technology and Information Model for Control of Power Sources in Isolated Microgrid Shuichiro YAMAZAKI, Motohisa ISHIKAWA, Junichi ARAI.....	67
12 . Electro-Optical Properties of Optically Compensated No-Bias-Bend Type Nematic LC Cell Hisashi SHIDARA, Taiju TAKAHASHI, Susumu SAITO.....	73
13 . A Study on the Characteristics of Sites on the Urban around the East Gate of Shinjuku Station : the Fixation Period of Building Function from 1958 to 2005 Kazuki KAWASHIMA, Tohru HATSUDA, Yuki SATO, Nozomi NIHONYANAGI.....	79
14 . A Study on the Urban Development around the West Gate of Shinjuku Station from Distribution of the Functions of the Commerce and Office Buildings (1958-2005) Research on History of Urban and Architecture about Market Places in Tokyo Nozomi NIHONYANAGI, Tohru HATSUDA, Kazuki KAWASHIMA, Yuki SATO.....	87
15 . A Study on the Urban Development around the Ikebukuro Station from Distribution of the Commercial and Office Buildings from 1958 to 2005 Yuki SATO, Tohru HATSUDA, Kazuki KAWASHIMA, Nozomi NIHONYANAGI.....	95
16 . Transition of land use in Chiyoda Ward, Tokyo Yumi KOMORI, Tohru HATSUDA.....	103
17 . A Basic Study on External Design and the Historical Background of Modern Japanese Architecture in Chiyoda Ward, Tokyo Yosuke NAKAJIMA, Tohru HATSUDA, Kosei TAKAHASHI.....	109
18 . Investigation of Demand-Supply Condition and Environmental Impact Evaluation of Transportation Load on Aggregate for Building Concrete Masaki TAMURA, Michihiko ABE.....	117

CONTENTS

19. Research on present conditions and safety of detachment/exfoliation of mortar coating finish of external wall with lath on site from the view point of a plasterer Kou SUZUKI, Takuro YOSHIDA, Masasi MIYAMURA.....123

20. Essay on public awareness about multiple functions of urban agricultural land Masanori AZUMA, Natsuko HAMA, Keita SASAKI.....129

21. Presenting Information to Cause Value for Consumer – Focusing on the Train Route Finder Site for Mobile Phone – Kei MASAKI, Hisao SHIIZUKA.....137

22. A Crystallized Method of *Kansei* Value Creation Yuji KOSAKA, Hisao SHIIZUKA.....145

23. The effectiveness of the survey analysis of the satisfaction in a hospital space using Rough-Sets – To radiotherapy patients in a hospital – Hidenobu Tachibana, Hisao Shiizuka, Tomoharu Sato, Akio Kuramoto, Takashi Yamashita.....151

24. The Abstracts of the Theses for Doctorates Conferred in Our University Daisuke KATAKAI.....161
..... Atsushi OOTSUKA.....165
..... Youichi ASAKAWA.....169
..... Tsuguyuki ICHII.....173
..... Katsutoshi MIYASAKA.....177
..... Yoshiki INABA.....181