

CONTENTS

1. On the Tribological Property of Polyamide BlendsTetsuya SHIMIZU, Yosuke NISHITANI, Chiharu ISHII, Masao KOSAKA, Hiromichi FUJIE, Isamu SEKIGUCHI.....	1
2. On the tribological property of silicone rubber filled PolyacetalTakamochi KATO, Ryo TANAKA, Chiharu ISHII, Masao KOSAKA, Hiromichi FUJIE, Isamu SEKIGUCHI.....	9
3. On relationship mechanical strengths and tribological propertie of POM/SiR blendingRyo TANAKA, Takamochi KATOU, Chiharu ISII, Masao KOSAKA, Naomichi FUJIE, Isamu SEKIGUCHI.....	17
4. Research on the Indentification of a Person by Handwritten CharactersTaiji KIKUCHI, Shigehiko YAMAMOTO.....	23
5. Detailed Observation of Anodic Porous Alumina with Square CellsHidetaka ASOH, Sachiko ONO, Tomohito HIROSE, Ikuo TAKATORI, Hideki MASUDA.....	29
6. Improvements of the auto-tuning method using the analysis of a spectral feature change based on the electron optical transfer function —Improvements on the spectral analysis—Yasushi KITAMURA, Daisuke FUJIWARA, Norio BABA, Ruriko TSUNETE, Hirosh KAKIBAYASHI, Shigeto ISAKOZAWA, Masaya IWAKI.....	35
7. Improvements of the auto-tuning method using the analysis of a spectral feature change based on the electron optical transfer function —Applications to various electron microscopy modes—Daisuke FUJIWARA, Yasushi KITAMURA, Norio BABA, Ruriko TSUNETE, Hiroshi KAKIBAYASHI, Shigeto ISAKOZAWA, Masaya IWAKI.....	45
8. A New Method of the Electron Tomography Reconstruction Using Multiple Stereo Measurements and a Constraint Region DeterminationNaoki YAEGUCHI, Yuichiro KOGAMI, Norio BABA, Eisaku KATAYAMA.....	51
9. Micromagnetic calculation of magnetization configurations in SPT magnetic headHiromitsu YANAGIHARA, Kazuetsu YOSHIDA.....	59
10. Influences of Stacking Faults on Coercivity of Magnetic ParticleMasatoshi EZAWA, Kazuetsu YOSHIDA.....	65
11. Flow of Liquid Crystal and Behavior of Fine Particles in Mobile Fine Particle Display (MFPD) CellsMasahiro OGAWA, Taiju TAKAHASHI, Yasuo TOKO, Susumu SAITO.....	71
12. A Novel Method to Display Gray Scales for Bi-Nem CellsMasaru UDAGAWA, Taiju TAKAHASHI, Susumu SAITO.....	77
13. Improvement of Electro-Optical Characteristics by Using Cross Rubbing Method for V-shaped PS-FLCDsYasuteru OKAMOTO, Taiju TAKAHASHI, Susumu SAITO.....	81
14. A Study on Improving Radiation Pattern of Patch Antenna with Parasitic StripsMasahiro MURAKAMI, Isao OHTOMO.....	85
15. Study on Active Integrated Antenna Combined with the Local Oscillator Using Low-IFShingo OHIRA, Isao OHTOMO.....	89

CONTENTS

16. A Study on Wideband Slot-Coupled Stacked Microstrip Antenna	Keiichi OHTA, Isao OHTOMO.....	95
17. A Study on Interference Mitigation from HAPS Ground Station to Fixed Wireless Access Subscriber Station	Koichi NANBA, Masayuki OODO, Ryu MIURA, Katsuhiko KOSAKA, Isao OHTOMO.....	99
18. Study On Compensation For Nonlinear Distortion Using Partial Transmit Sequence For MC-CDMA	Akihiro MINE, Katsuhiko KOSAKA, Isao OHTOMO.....	107
19. The efficient prediction model of the soccer games by the multi-layered neural network	Yasutoshi IIZAKA, Hisao SHIIZUKA.....	113
20. On Likes and Dislikes Prediction Systems Concerning Colors	Masato TAKECHI, Hisao SHIIZUKA.....	117
21. Individual Authentication by the Pinna —A study on “KATACHI (form)” of the pinna—	Tetsuya IWASAKI, Katsuyuki SHINOHARA.....	121
22. Outline Extraction of Pinna Cartilage by Wavelet Transform	Kazuya KAWAGACHI, Toshihiro WADA, Katsuyuki SHINOHARA.....	129
23. Improvement in Reliability of A Personal Identification System	Hiroshi AKIYAMA, Teruaki HIRANO, Osamu NAKAMURA.....	137
24. A Study on The Extraction of Reference Points and Feature Amounts from The Facial area for The Recognition of Facial Expressions	Ken-ichi HANEDA, Osamu NAKAMURA.....	143
25. A Human Face Authentication Based on Isodensity Maps Using Chain Code.	Teruaki HIRANO, Osamu NAKAMURA.....	151
26. A Case Study of the Use of a Library in Tokorozawa City by the Elderly	Takamitsu HAYASHI, Yayoi IGARASHI, Tateki MIYAGI.....	161
27. The Meaning of “Community” in Louis I. Kahn’s Words related to His Works	Junko TSUCHIDA, Tohru HATSUDA.....	169
28. A Study on Meaning of “Community” in Louis I. Kahn’s Linguistic Expression In His Own Words related to Works of Architecture	Junko TSUCHIDA, Tohru HATSUDA.....	175
29. Historical Study on Urban Space around The East Gate of Shinjuku Station through the Distribution of the Architectural Function	Tohru HATSUDA, Kazuo FURUTA.....	183
30. The factor analysis of Large-scale redevelopment which is promoted by Urban Renaissance Special Measure	Shigeo Abe, Yasusi Nozawa.....	193
31. Basic Study on Crime Prevention through Environmental Design for Deterring Unlawful Graffiti Drawn —Survey on Unlawful Graffiti Drawn in Shimokitazawa—	Kotaro HIGUCHI, Maki SAKAI, Masahiro MURAKAMI.....	201
32. The Abstracts of the Theses for Doctorates Conferred in Our University	Shinichi SAKAMOTO.....	211