

Technical Papers Published Outside the Company (1997.4 to 1998.3)

| Title of Paper | Journal / Lecture Meeting | Authors | Month of publication |
|--|--|--|----------------------|
| Solenoid Dimensions Ratio of Solenoid Type Electromagnetic Launcher | Journal of the Magnetics Society of Japan vol. 21, No.4-2, pp.825-828 | M. Nanahara (Shinshu University) Y. Okui (SANYO DENKI CO., LTD.) K. Sai (Shinshu University) T. Mizuno (Shinshu University) H. Yamagami (Kenseido Co., Ltd.) H. Yamada (Shinshu University) | '97-4 |
| Over-Modulation Characteristics of A New Topology AC-to-DC Converter with Unity Power Factor | Proceedings of The 9th International Symposiumon Theoretical Electrical Engineering (ISTET'97), pp.346-349 | Y.Okui(SANYO DENKI CO.,LTD.) T.Mizuno and H.Yamada (Shinshu University) | '97-6 |
| Suppression of Transient of A New Topology AC-to-DC Converter with Unity Power Factor | Prepr. of Jpn. Soc. Mech. Eng., (in Japanese), No. 97-10 B (D&D'97),pp.661-664 | M. Itoh (SANYO DENKI CO., LTD.) S. Kasei (Shinshu University) | '97-7 |
| Compensation Method of AC-to-DC Converter Characteristics Under Unbalanced Three-Phase AC Side Voltage | Proceedings of The Power Conversion Conference-Nagaoka (PCC-NAGAOKA'97), pp.495-500 | Y.Okui(SANYO DENKICO.,LTD.) M.Mouri,T.Mizuno and H.Yamada(Shinshu University) | '97-8 |
| International Symposium on Theoretical Electrical Engineering (ISTET'97) and Electromagnetic Field Analysis | Rec. Technical Meeting on Linear Driving System, IEE Japan LD-97-30, pp.27-34 | Y. Okui (SANYO DENKI CO., LTD.) T. Mizuno (Shinshu University) Y. Ichikawa (Shinshu University) Y. Takano (Shinshu University) K. Hagihara (Shindengen Co. Ltd.) M. Kajioka (Tokyo Aviation Instrument Co., Ltd.) H. Yamada (Shinshu University) | '97-8 |
| Self-Compensating Control for Suppression of Rotational Speed Variation Excited by Reduction Gear Mechanism | ASME Proceedings of Design Engineering Technical Conferences, No.DETC97/VIB-3801, Sacramento, California. | M.Itoh(SANYO DENKI CO.,LTD.) S.Kasei and S.Fukada(Shinshu University) | '97-9 |
| Static Characteristics of Three-Phase High Power Factor AC-to-DC Converter Using Multiple-connected Voltage-mode Resonant Buck Type Choppers | Rec. Technical Meeting on Semiconductor Power Conversion, IEE Japan, SPC-97-103, pp.27-32 | M. Mohri (Shinshu University) Y. Okui (SANYO DENKI CO., LTD.) T. Mizuno (Shinshu University) H. Yamada (Shinshu University) | '97-10 |
| Launching Velocity Characteristics of Solenoid Type Electro-magnetic Launcher Dependent on Magnetic Material of Projectile | Journal of Japan AEM Society. Vol.5, Number 4., pp.29-33 | M. Nanahara (Shinshu University) Y. Morimoto (Shinshu University) Y. Okui (SANYO DENKI CO., LTD.) H. Yamagami (Kenseido Co. Ltd.) T. Mizuno (Shinshu University) H. Yamada (Shinshu University) | '97-12 |

Technical Papers Published Outside the Company
in General Technical Journal (1997.4 to 1998.3)

| Title | Journal | Publisher | Authors | Issued |
|---|---------------------------------|-----------------------------------|-----------------|--------|
| Cooling Units for OA and FA | The Nikkan Kogyo Shinbun | Nikkan Kogyo Shinbun | Hideji Watanabe | '97-5 |
| UPS and Services Enabling Safe Use of Network Environment | OA Business Personal Computer | Denpa Publications, Inc. | Akihiko Uruta | '97-5 |
| From Submicron to Nanotechnology "Precision Position Setting and Related Instruments" | The Nikkan Kogyo Shinbun | Nikkan Kogyo Shinbun | Hideji Watanabe | '97-8 |
| The New Technology of Stepping Motor | Denpa Shinbun / High Technology | Denpa Publications, Inc. | Hideji Watanabe | '97-9 |
| The Silencing Technology in Instruments and Systems, "Cooling Fan" | Human with Technology | Mimatsu Data System | Hideji Watanabe | '97-9 |
| DC Servo Motor Selection Steps and Countermeasures for Trouble | Mechanical Design | Nikkan Kogyo Shinbun | Hideji Watanabe | '97-10 |
| Points To Be Noted When Installing UPS | Manufacturing and Electricity | Nippon Electric Society | Akihiko Uruta | '97-11 |
| Examples of Using the Servo Motor for Polisher Targeted at the Buff Polishing Area | Automation Technology | Society of Industry Investigation | Hideji Watanabe | '97-12 |