

Special Issue : OneF Automotive Technology*

Opening Remarks

The Expectations for the OneF Automotive Business Development Team Activities	<i>Tatsuo Teratani</i>	1
Innovation Through OneF Automotive Business Development Activities	<i>Takahide Kimura</i>	2

Papers

Development of a 24 GHz Band Peripheral Monitoring Radar <i>Yasushi Aoyagi</i>	.....	3
The Development of Next-Generation Technologies in the Domain of Winding Wires of Main Electric Motors <i>Keiichi Tomizawa, Mamoru Shimada, Keisuke Ikeda, Daisuke Muto, Hideo Fukuda</i>	.....	9
The Development of the High Strength Aluminum Alloy Wire <i>Sho Yoshida, Shigeki Sekiya, Kengo Mitose</i>	.....	16
A High Electric Power Supply to Electric Cars Using the Electric Field Resonance <i>Mitsuru Masuda</i>	.....	23
The Development of the Heat Storage Technology for the Automotive Waste-Heat Management <i>Kengo Tanaka, Yuki Iwano, Yasushi Kihara, Masato Sorimachi, Hisashi Ayuzawa</i>	.....	32

New Products

The Development on a Micro Cellular Light Reflector From the Indirect Lighting to the Communication Device	38
--	-------	----

Regular Papers

Fusion of Core Technologies The Development of a High Quality and a High Peak Power Pulsed Fiber Laser With a Flexible Tunability of the Pulse Width <i>Ryo Kawahara, Hiroshi Hashimoto, Jeffrey W. Nicholson, Eisuke Otani, Shunichi Matsushita</i>	.....	43
Telecommunication·Energy A High Power Tunable Light Source for Coherent Communications Using a Distributed Reflector Laser Array Combined With an AWG Coupler <i>Yusuke Inaba, Maiko Ariga, Kazuaki Kiyota, Toshihito Suzuki, Kazuki Yamaoka, Shunsuke Okuyama, Masayoshi Nishita, Tatsuro Kurobe, Hajime Mori</i>	.....	49
Advanced Technology Analysis of the Nano Inclusions in a Copper Foil With the Small-Angle X-ray Scattering <i>Satoshi Yamazaki, Yojiro Oba, Hirokazu Sasaki, Masato Ohnuma</i>	.....	53
Telecommunication·Energy Verification of the HTS Cable at an Accident – Protection Against the Ground Fault for 275 kV HTS Cable and Experiment – <i>Tomohiro Takagi, Masashi Yagi</i>	.....	60

New Products

Electronics·Automotive systems Development of the High Tensile Strength and the High Thermal Stability Copper Foil NC-TSH	.....	67
Electronics·Automotive systems Development of Oxygen-free Copper Strips “GOFC” With Superior Heat-resisting Properties	.....	70

* “OneF” is an abbreviation for “One Furukawa Electric”.