

CONTENTS

Introduction of new technologies

Development of Electrical Systems for 2018 Gold Wing -Idling Stop System and Honda SMART Key System- . . . Takeshi KITAJIMA, Masahiro TERANISHI, Keishi TAKAYAMA, Yutaka KIKUCHI Masakuni ANDO, Katsunori MURAKAMI, Hiroshi KURATA	1
Development of Electrical Systems for 2018 Gold Wing –Infotainment and HMI–	Yutaka KIKUCHI, Takuya OSANAI 7
Development of Low-cost Card-edge ECU for Small Motorcycles.	Yuichi TAKEDA, Koji INOSE Motoki HARADA, Kiyoyuki SUGANO 14
Development of Water- and Oil-repellent Fabric Considering Durability of Automotive Seat Fabric	Chika NEMOTO, Rie HAYASHI 24
Honda RaaS Platform Honda Robotics as a Service Platform Integrates Cloud and Robot Technology	Haruomi HIGASHI 33

Technical papers

Study of Seat for Reduction of Stress of Sitting with Consideration of Influence of Physical Characteristics	Makoto OHTA, Kenta HIRAYAMA, Atsumi SAKURAI 43
Load Distribution by Rear Bumper Beam in FMVSS 301R Test Protocol	Atsushi HASEGAWA, Takayuki FUJII, Norikazu MATSUURA Tomohiro SHIMIZU, Yusuke MIURA 51
Mechanism of Light Weight Sound Insulation Material Using Thin-film Cells	Ikumi KURIHARA, Takashi KONDO, Takao YAMAGUCHI 61