Essay
What is seen in Japan from Germany? .................................................. MIYAMOTO Isamu 3
Let's Join Together, Engineers!
Fiber Laser Cutting Machine ....................................................... ISHIGURO Hiroaki
SAKO Hiroshi 7

Technical Information — Special Issue —
Simulation and Modeling of Welding Metallurgy

A Preface .......................................................... NAGASAKI Hajime
MIYAZAKI Yasunobu 11
KAWANO Hikaru
SAIDA Kazuyoshi
NISHIMOTO Kazutoshi 12
IKEDA Hideyuki
NISHIO Kazumasa
MURAKAMI Toshio
NANBA Shigenobu 21
YAMAGUCHI Tomiko
IKEDA Hideyuki
MICHAEL Kazumasa
MURAKAMI Toshio
NANBA Shigenobu 26
FUKUMOTO Shigeo
NOMOTO Sukeharu 32

Practical Lecture — A Class in Joining & Welding —
Construction Equipment, Crane (Design) ......................................... YAMAMOTO Hikaru
SHIMODAIRA Takayuki
TAKAHASHI Takeshi 48
KURIYAMA Ryohei
SAITO Munenobu 54

Up-to-the-minute
Report on 61st CIRP General Assembly in Budapest, Hungary 2011 ........................................ YOSHITOMI Kei 59

Spot Light
Egg of Welding .......................................................... KADOTA Keiji 62

WELNET for Young Members
Information of WELNET Evening Forum at JWS National Meeting in Spring 2012 ....................... 65
Calendar of Event .................................................................................. 66
Society Announcements ....................................................................... 67
General Index; Quarterly Journal of the Japan Welding Society, 2011 ........................................ 75