CONTENTS

JOURNAL OF THE JAPAN WELDING SOCIETY
Vol.81 No.6 September 2012

Essay
My Activity as Researcher and Educator ........................................MANABE Yukio 3

Let’s Join Together, Engineers!
Structural Brittle Crack Arrest Design for Ultra Large Container Ship ............TOYODA Masanobu
HANDA Tsunehisa 5

Questionnaire Survey by Technical Commission on Welding Processes
Guidbook7 —Visualization and Simulation Technologies of Welding Process— ................. 9

Technical Information — Special Issue —
Get Familiar with Adhesive !

A Preface ......................................................................................................................SHOHJI Ikuo
TSUKAMOTO Takeshi
KIRIHARA Soshu 22

Fundamental Principles of Adhesive Bonding ......................................................MITOH Motonori 23
The Quality Control of Exterior Tile Woks by Organic Adhesive ..................OGASAWARA Kazuhiro 28
Creation of Artificial Bone Implants from Photo Polymerized Slurry ..........TASAKI Satoko
with Bio-ceramics Fine Particles KIRIHARA Soshu 33
Environment-friendly Coating Technologies for Decoration and Rust-proofing YANAGIDA Kenzo 38
—Electrostatic Coating Technology—

Practical Lecture — A Class in Joining & Welding —
Shipbuilding (Process & Construction) .................................................................YOKURA Takahito 43
Shipbuilding (Technical Topics) ............................................................................YAMAGUCHI Yoshiya 51

Up-to-the-minute
Report from one of Japanese in India now ......................................................YOKOSHIMA Seiichi 56
Report on "IWJC-Korea2012" ...........................................................................ONO Kohei 59

Spot Light
Egg of Welding ...........................................................................................................MIYAKE Masahiro 61

WELNET for Young Members
Information of WELNET Evening Forum at JWS National Meeting in Autumn 2012 ........ 64

Calendar of Event ...................................................................................................... 65
Society Announcements ............................................................................................. 67
Quarterly Journal of the Japan Welding Society Vol. 30 No.2 2012 Contents ......................... 78