

CONTENTS

JOURNAL OF THE JAPAN WELDING SOCIETY

Vol.79 No.3 April 2010

Essay

Challenge to Dream URATANI Yoshimi 3

Let's Join Together, Engineers!

Stainless Steel Flux Cored Wire for Highly Corrosion Resistant { KODAMA Shinji 6
Galvanized Sheets { MIZUMOTO Manabu

Technical Information — Special Issue —

Recent Evaluation Methods on Micro-Joints
— Reliability Testing and Life Time Estimation —

A Preface { HIRANO Satoshi 10
ABE Hiroya
KAMADA Nobuo

Development of Solver System for FEM Analysis of Solder Joints OHGUCHI Ken-ichi 11

Effect on Lead-free Solder Joint Reliability Caused by Solder Volume { YAMABE Mitsuharu 16
FUKUMITSU Masako
FUKUCHI Yoshitoshi

Analysis of Crack Propagation in Micro-solder Bumps TERASAKI Takeshi 22

Evaluation of Microjoining Properties by EBSD Analysis HAYASI Tomio 27

Strain Measurement in Micro-Electronic Packages using { IKEDA Toru 33
the Digital Image Correlation Method { KANNO Toshifumi
SHISHIDO Nobuyuki
MIYAZAKI Noriyuki
TANAKA Hiroyuki
HATAO Takuya

Lecture Note — A Class in Joining & Welding —

Chapter 2 Materials and Weldability
2-7 Basic Corrosion Engineering KIMURA Yuji 39

Chapter 4 Quality Control in Welded Fabrication
4-7 Welding and Application of Joining Technology (Pressure Vessel) KAWAHARA Wataru 49
— Nuclear Reactor Pressure Vessel —

Up-to-the-minute

FSP/W Research Trends in THERMEC'2009 SATO Yutaka 56

Internationalization of Engineering Education at Hiroshima University { HAMADA Kunihiro 58
NISHIDA Keiya
HAZAMA Ryuta

Spot Light

My History for Welding NISHIBATA Hitomi 62

WELNET for Young Members

Report: Young Researcher Group Seminar and Technical Tour of
NIPPON STEEL ENGINEERING CO., LTD. 66

Calendar of Event 68

Society Announcements 70
