

# CONTENTS

## JOURNAL OF THE JAPAN WELDING SOCIETY Vol.80 No.8 December 2011

### Essay

A Concept of "Allowance of Non-allowance" Presented to Young Engineer .....	ZAKO Masaru	3
<b>Let's Join Together, Engineers!</b>		

Friction Stir Spot Welding Application on Aerospace Industries .....	{ FUJIMOTO Mitsuo OKADA Hideki KAMIMUKI Kenichi }	6
--	---	---

### Review

In-situ Observation for Solidification and Phase Transformation During Welding .....	KOMIZO Yu-ichi	9
--	----------------	---

Materials and Processes for Arc Welding .....	SHIMIZU Hiroyuki	21
---	------------------	----

### Practical Lecture — A Class in Joining & Welding —

Micro Joining Package (Process&Construction) .....	KAJIWARA Ryoichi	31
--	------------------	----

Micro Joining Package (Technical Topics)		
--	--	--

—Low Temperature Sintering Bonding Using Ag Nanoparticles and Ag <sub>2</sub> O Particles— .....	HIROSE Akio	40
--	-------------	----

### Point Lesson of Experiments

Penetrant Testing Method for Welds .....	{ TSUMURA Shunji Gu Feng }	47
--	-------------------------------	----

### Up-to-the-minute

Report for IIW 2011 Workshop on Microjoining and Nanojoining .....	ABE Hiroya	51
--	------------	----

### Spot Light

My History for Welding .....	MATSUSHITA Muneo	53
------------------------------	------------------	----

### WELNET for Young Members

Report: WELNET Evening Forum at JWS National Meeting in Autumn 2011 .....	56
---	----

### Calendar of Event

.....	58
-------	----

### Society Announcements

.....	59
-------	----

### Society News

.....	61
-------	----

### Quarterly Journal of the Japan Welding Society Vol. 29 No.3 2011 Contents

.....	87
-------	----

### General Index; Journal of the Japan Welding Society, 2011

.....	91
-------	----