

CONTENTS

JOURNAL OF THE JAPAN WELDING SOCIETY

Vol.76 No.4 June 2007

The Address by the President in General Meeting	NAKAGAWA Yukiya	3
Welcome to Nagano	NAKAGOMI Tadao	4
Essay		
Education of Welding Technology at Private University	FUKAYA Yasuhiro	6
Engineering Data Sheet	SUZUKI Masamichi	8
Technical Information — Special Issue —		
Recent Trends of Fatigue Life Assessment Technologies for Welded Structures		
A Preface	{ MAKINO Yoshinobu MURAYAMA Masatoshi SETO Masaru	9
Non destructive Inspection for Weld Joint of Steel Structure	TAGAMI Minoru	10
Stress Measurement by the Use of Piezoelectric Film	{ FUJIMOTO Yukio SHINTAKU Eiji	15
Fatigue Life Estimation of Welded Structures with Fatigue Damage Sensor	{ KOBAYASHI Tomohei NIHEI Kanta	21
Monitoring of Fatigue Cracks by FSM and Diagnosis of Lifetime	{ KIM You-Chul OKU Kentaro	26
Serial Lecture Paper (1)		
Application of Solidification Analysis to Repair Welding of Single Crystal Alloys	{ SAIDA Kazuyoshi NISHIMOTO Kazutoshi	30
Lecture for Practical Engineer		
Application to MIG Welding Using Welding Power Source Equipped with Digital Filtering Process	{ UEZONO Tosiro TONG Hongjun	43
Spot Light		
Analysis of Welding Phenomenon by Means of Electromagnetic Controlled Molten Pool Method	MATSUDA Shoichi	47
WELNET for Young Members		52
Minutes of the 36th Meeting of the WELNET Steering Committee		
Calendar of Event		53
Society News		54
Quarterly Journal of the Japan Welding Society Vol. 25 No.1 2007 Contents		86
