

CONTENTS

JOURNAL OF THE JAPAN WELDING SOCIETY

Vol.74 No.2 March 2005

Technical Information — Special Issue —

A Preface	{ TAKECHI Syoji SATO Yutaka	3
Production of Ultrafine-Grained Structures Using Equal-Channel Angular Pressing	HORITA Zenji	4
Formation of Ultrafine Grained Microstructure in Metallic Materials by Severe Plastic Deformation	TSUJI Nobuhiro	8
Creation of Ultrafine-grained Steel by High Z – Large Strain Deformation	TORIZUKA Shiro	13
New Developed Welding Process and Its Applications to Ultra-Fine Grained Steel ...	{ HIRAOKA Kazuo TSUKAMOTO Susumu	18
Friction Stir Welding of Fine Grained Al alloys Produced by Equal Channel Angular Pressing and Accumulative Roll-Bonding	{ SATO Yutaka S. KOKAWA Hiroyuki	25
Serial Lecture Paper		
Effects of Surface Active Elements on Weld Pool Formation using TIG Arcs	TANAKA Manabu	29
Lecture for Practical Engineer		
Reduced Pressure Electron Beam Welding in the Power Generation Industry	C. S. Punshon	36
Calendar of Event		40
Society Announcements		41
