

CONTENTS

JOURNAL OF THE JAPAN WELDING SOCIETY

Vol.83 No.2 March 2014

Essay

Participation in the Welding Power Sources.....MITA Tsuneko 3

Let's Join Together, Engineers!

Improvement of Plasma Arc Cutting by Investigation of Arc Phenomena
–Visualize of Plasma Arc Phenomena–YAMAGUCHI Yoshihiro 6

Technical Information – Special Issue –

Novel Coating Processes

A Preface..... { KIRIHARA Soshu
SHOHJI Ikuo 12
OBANA Takeshi

Nanosheet Coating Process..... { OSADA Minoru
SASAKI Takayoshi 13

Aqueous Coatings.....MASUDA Yoshitake 18

TiO₂ Film Deposition by Atmospheric Solution Precursor Plasma

Spray using Low Power DC Power SourceANDO Yasutaka 22

Suspension Plasma SprayingSUZUKI Masato 26

Practical Lecture –A Class in Joining & Welding –

Aviation and Space (Design) YAMADA Keisuke 30

Aviation and Space (Materials)HIRAMATSU Noriyuki 35

Up-to-the-minute

Report of The 18th SCHWEISSEN & SCHNEIDEN 2013 YAMAZAKI Kei 42

Report of the 3rd EAST-WJMIKAMI Yoshiki 46

Report: International Symposium on Interfacial Joining

and Surface Technology (IJST 2013) MAEDA Masakatsu 50

Spot Light

–Egg of Welding– TAKADA Atsushi 53

WELNET for Young Members

Information of WELNET Evening Forum at JWS National Meeting in Spring 2014 56

Calendar of Event..... 57

Society Announcements..... 58

Society News 65

General Index; Quarterly Journal of the Japan Welding Society, 2013 87
