

CONTENTS

JOURNAL OF THE JAPAN WELDING SOCIETY

Vol.87 No.6 September 2018

Essay

Memory of Development for Stainless Steel Flux Cored Wire MATSUSHITA Yukinobu 3

Let's Join Together, Engineers!

Large-scale Joining and Assembly Simulation of { SHIBAHARA Masakazu 6
Welded Structures Using Idealized Explicit FEM { IKUSHIMA Kazuki

Technical Information – Special Issue –

Failure Accidents in Welded Structures and Suggestions Made by Them

A Preface { KAYAMORI Yoichi 10
INOSE Koutarou
TAGAWA Tetsuya
MIKAMI Yoshiki

Lessons Learned from Damage Examples of Large Welded Structures YAJIMA Hiroshi 11

Damage Cases of Large Ships and the History of the Relevant Regulations FUKUI Tsutomu 18

Fracture and Damage of Bridge NAKANISHI Yasumasa 23

Incidents of Liquid Storage Tanks Occurred Overseas YOSHIDA Shoichi 29

Practical Lecture – Advanced Lecture –

Guideline of Innovative Processing and Control System ARAI Susumu 34
– Carbon Nanotube Composite Plating –

Up-to-the-minute

Report on 24th Symposium on “Microjoining and MATSUSHIMA Michiya 40
Assembly Technology in Electronics”

Spot Light

– Egg of Welding – KOMEN Hisaya 44

WELNET for Young Members

Information of the poster session in the national meeting of JWS in Autumn 2018 47

Calendar of Event 48

Society Announcements 50

Quarterly Journal of the Japan Welding Society Vol. 36 No.2 2018 Contents 59

一般社団法人 溶接学会 平成30・31年度 理事・監事・幹事

| | | | | | |
|---------|------|----|-------|----|------|
| 理事 (会長) | 篠崎賢二 | 理事 | 才田一幸 | 理事 | 福本昌宏 |
| " (副会長) | 廣瀬明夫 | " | 柴柳敏哉 | " | 本井英俊 |
| " (") | 大井健次 | " | 清水弘之 | " | 藤本光生 |
| " | 浅井知孝 | " | 田中孝生 | " | 山岡弘人 |
| " | 石出哲彦 | " | 坪井竜介 | 監事 | 南二三吉 |
| " | 小野数彦 | " | 中西村好男 | " | 上山智之 |
| " | 北側彰一 | " | 西村仁志 | 幹事 | 田川哲哉 |
| " | | " | 平田弘征 | | |

Notice for photocopying

If you wish to photocopy any work of this publication, you have to get permission from the following organization to which licensing of copyright clearance is delegated by the copyright owner.

<All users except those in USA> Japan Academic Association for Copyright Clearance, Inc. (JAACC) 6-41 Akasaka 9-chome, Minato-ku, Tokyo 107-0052 Japan TEL: 81-3-3475-5618 FAX: 81-3-3475-5619 E-mail: info@jaacc.jp

<Users in USA> Copyright Clearance Center, Inc. 222 Rosewood Drive, Danvers, MA 01923 USA

Phone: 1-978-750-8400 FAX: 1-978-646-8600