

CONTENTS

JOURNAL OF THE JAPAN WELDING SOCIETY

Vol.92 No.1 January 2023

Foreword	SAIDA Kazuyoshi	3
Technical Information – Special Issue – Human Resources Development on Welding and Joining Field in Future		
A Preface	{ MIKAMI Yoshiki OGINO Yousuke KADOI Kota TAGAWA Tetsuya FUJITA Yoshihiro	5
Chapter 1 : Welding and Joining Human Resources and Their Training Environment in Japan		
Efforts to Develop and Secure Welding Human Resources	MIZUNUMA Wataru	6
Chapter 2 : Training of Welding Technicians Utilizing the Latest Technology		
Digitization of Skill for Welder's Education and Training	ASAI Satoru	13
Welding Skill Education Using 3D Digital Welding Helmet with Extreme Wide- field Visualization Technology	{ TSUYAMA Tadahisa KITAGAWA Satoru HAYASHI Atsushi KANEHIRA Noriyuki	22
Development of a New Welding Skill Education Method Oriented to Skill Science	MATSUURA Yoshifusa	27
Chapter 3 : Diverse Activities for Welding and Joining Human Resources Development		
Outreach Activities on Welding and Joining at the JWRI, Osaka University	{ MIKAMI Yoshiki TANAKA Manabu	33
Human Resource Development Activities of Young Professional Community (WELNET)	TOKITA Shun	38
Overview of the JWRI Coupling Internship and its expansion, and a prospect of "JWRI HUST-OU" in Vietnam	{ KATSUMATA Mihoko KONDOH Katsuyoshi NISHIKAWA Hiroshi TANAKA Manabu	42
New Human Resource Development at Miyamoto Welding School	MIYAMOTO Taku	49
From the Tradition of Welding Technology to the Future	{ NAGASHIMA Masayuki DOI Tomoharu	57
Education of Young Welding Engineers for Overseas Construction Projects	SASAGUCHI Hiroaki	61
Education and Certification of Internal Welding Engineer for Plant Owner	HOSHIKA Takahisa	68
WELNET for Young Members		
Report of the 67th meeting of WELNET steering committee		73
Calendar of Event		75
Society Announcements		76

一般社団法人 溶接学会 2022・2023年度 理事・監事・幹事

理事 (会長)	才田 田 一 幸	理事	大 畑 充	理事	平 野 賢 治
" (副会長)	田 中 学	"	小 野 彦	"	藤 井 英 俊
" (")	清 水 弘 之	"	川 本 篤 篤	"	藤 本 光 生
"	青 山 和 浩	"	佐 藤 丸 裕	"	山 本 元 道
"	伊 木 聡	"	大 丸 成 一	監事	廣 瀬 明 夫
"	石 出 孝	"	坪 井 介 良	"	山 岡 弘 人
"	伊 藤 和 博	"	中 谷 光 一	幹事	渡 邊 博 久
"	伊 藤 良 哲	"	林 淳		

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