

ISSN 0023-6063

Memoirs of the
FACULTY OF ENGINEERING
KYOTO UNIVERSITY

VOLUME XLVIII PART 1
JANUARY 1986

Published by
KYOTO UNIVERSITY
KYOTO, JAPAN

MEMOIRS OF THE FACULTY OF ENGINEERING
KYOTO UNIVERSITY

VOLUME XLVIII

PART 1

JANUARY 1986

CONTENTS

Satoshi HASHIMOTO and Sei MIURA <i>Dislocation Arrays and the Bauschinger Effect in Copper 9 at. % Aluminum Bicrystals</i>	1
Satoshi HASHIMOTO and Sei MIURA <i>Dynamic Strain Aging and the Bauschinger Effect During Cyclic Deformation in polycrystalline Silver and Copper Base Solid Solutional Alloys</i>	30
Makoto KOBAYAKAWA, Kiyoshi SAKURA and Hiroyuki IMAI <i>An Application of Self-Tuning Regulator to GLA system of an Aircraft</i>	60
Seishiro FUKUTANI and Hiroshi JINNO <i>Simulation of Hydrogen/Air Premixed Flames Propagating in a Spherical Vessel</i>	75
Uzushi NAKAMURA <i>CRITIQUE DES PENSEES OCCIDENTALES SUR L'ARCHITECTURE : [I] [I] POSITION DE L'ARCHITECTURO-LOGIE et la problématique de la modification historique d'une conception vitruvienne de l'architecture</i>	89

This memoirs is issued quarterly by the University to publish the original contributions to engineering science made or communicated by the members of the faculty. The faculty consists of following departments:

Dept. of Civil Engineering	Dept. of Sanitary Engineering
Dept. of Mechanical Engineering	Dept. of Applied Mathematics and Physics
Dept. of Electrical Engineering	Dept. of Precision Mechanics
Dept. of Mineral Science and Technology	Dept. of Synthetic Chemistry
Dept. of Metallurgy	Dept. of Electrical Engineering, II
Dept. of Industrial Chemistry	Dept. of Metal Science and Technology
Dept. of Architecture	Dept. of Transportation Engineering
Dept. of Hydrocarbon Chemistry	Dept. of Architectural Engineering
Dept. of Chemical Engineering	Dept. of Information Science
Dept. of Polymer Chemistry	Dept. of Engineering Science
Dept. of Electronics	Div. of Molecular Engineering
Dept. of Aeronautical Engineering	Automation Research Laboratory
Dept. of Nuclear Engineering	Ion Beam Engineering Experimental Laboratory

All communications regarding the memoirs should be addressed to the dean of the faculty.

Vol. XLVIII, Part 1

January 1986

昭和61年1月25日 印刷

昭和61年1月31日 発行

編集兼発行者 京都大学工学部

印刷者 江戸 卯一郎
京都市右京区西院久田町78

印刷所 共同印刷工業株式会社
京都市右京区西院久田町78