

Memoirs of the
FACULTY OF ENGINEERING
KYOTO UNIVERSITY

VOLUME LI PART 3

JULY 1989

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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 Precision Mechanics
Dept. of Mechanical Engineering	Dept. of Synthetic Chemistry
Dept. of Electrical Engineering	Dept. of Electrical Engineering, II
Dept. of Mineral Science and Technology	Dept. of Metal Science and Technology
Dept. of Metallurgy	Dept. of Transportation Engineering
Dept. of Industrial Chemistry	Dept. of Architectural Engineering
Dept. of Architecture	Dept. of Information Science
Dept. of Hydrocarbon Chemistry	Dept. of Engineering Science
Dept. of Chemical Engineering	Div. of Molecular Engineering
Dept. of Polymer Chemistry	Div. of Applied Systems Science
Dept. of Electronics	Ion Beam Engineering Experimental Laboratory
Dept. of Aeronautical Engineering	Laboratory for Control of Environmental Micropollutans
Dept. of Nuclear Engineering	Research Laboratory of Carbonaceous Resources Conversion Technology
Dept. of Environmental & Sanitary Engineering	Integrated Media Environment Experimental Laboratory
Dept. of Applied Mathematics and Physics	

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

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