

Memoirs of the
FACULTY OF ENGINEERING
KYOTO UNIVERSITY

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JANUARY 1975

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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:

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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 Mechanical Engineering, II
Dept. of Hydrocarbon Chemistry	Dept. of Transportation Engineering
Dept. of Chemical Engineering	Dept. of Architectural Engineering
Dept. of Polymer Chemistry	Dept. of Information Science
Dept. of Electronics	Automation Research Laboratory
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