

CONTENTS

Essay

..... T. YUNDE (533)

JIE Award (Academic Session)

Study on Energy Systems and Energy Technology Evaluation
..... Y. UCHIYAMA (534)

Special Articles: Energy Resources called “Energy Savings”

(Preface)

Exploring the Enormous Energy Resources called “Energy Savings”
..... K. KOMAI (549)

(Reviews)

Potential Evaluation of Energy Saving Resources based on Supply Chain
..... H. YAGITA (550)

“Energy Conservation Resource” Created by Behavior of Consumers
— Considering Provision of Information for Consumers —
..... A. YAMAKAWA (556)

Potential for Energy Conservation in Households through Visualization: Three Different Types of Visualization
..... H. HONDO (563)

Introduction of Up-to-Date Technology of High Efficient Pulverized Coal Fired Power Generation
and Integrated Gasification Combined Cycle
..... K. MAKINO (570)

Energy Resources Produced by Solving Mismatch between Generation of Waste Heat and Heat Demand
..... H. FURUTANI (576)

Pinch Technology
..... M. NAKAIWA, H. TATSUMI (584)

Innovative Energy Saving Technology by Exergy Recuperation
..... A. TSUTSUMI (592)

Special report: Energy Studies Division Seminar on “Japanese energy policy toward overcoming nuclear disaster, global warming and price escalation of crude oil”

(Outline)

Outline of the Seminar

..... K. OKAJIMA, H. TAKAGI, H. YAMAMOTO (599)

(Reports)

Japanese Energy Policy after Nuclear Disaster

..... Y. UCHIYAMA (602)

Global Warming and Energy Outlook: Greenhouse Gas Emissions and Global Warming Impacts

..... K. AKIMOTO (605)

Skyrocketing Rises of Fossil Fuel Prices and Future Views of Energies

— International Affairs and Tightness of Energy Resources

..... Y. OGAWA (608)

Influence of Massive Incorporation of Renewable Energies on Japanese Economy

..... G. MOGI (612)

Energy Policy in Future: The Situation of Energy in and outside Japan, and Japan’s Energy Policy

..... K. IRIE (614)

Panel Discussion

..... (616)

Original Paper

Characterization of Lake Biwa Macrophytes in their Chemical Composition

..... H. RABEMANOLONTSOA, S. SAKA (621)

Technical Report

Learning about Wind Power Generation with Citizens

..... Y. KAWAMURA, T. TAYAMA, T. SAITO, K. HONDA (629)

Lecture Note

Coal (15):

Carbonization

..... T. ARIMA, S. NOMURA (634)

Opinion

The Great East Japan Earthquake

Challenge to Green Growth

..... K. YAMAJI (641)

~~~~~  
Introduction of Research Group (2nd Laboratory of Energy System Engineering,

Department of Mechanical System Engineering, Gunma University) ..... (644)

Entropy ..... (647) JIE Calendar ..... (648)

Bulletin Board ..... (649) From the Editors ..... (652)

~~~~~