Table of Contents

Plenary Session
P-01 Return to School of Engineering in Korea? –Significance, Issues, and Prospect
   Kwang Sun KIM .............................................................. 4
P-02 Recent Activities of International Education in IGSES at Kyushu University
   Eljamil OSAMA ............................................................... 8

International Session
W-01 Engineering Leaders English Program (ELEP) for Engineering Students
   –Overview of Education Program in School of Engineering in Kyushu University–
   Koji GOTOH, Yumi MIZUTANI, Akinori YOSHIDA and Masato MATSUO .............. 14
W-03 The Humanities and Social Sciences in Graduate Engineering Education: A case in the
   Green Asia Program at Kyushu University
   Tomoaki WATANABE .......................................................... 20
W-04 Asian Human Resource Program in the Kyushu University
   Kazuhide OHTA and Akiko YAMADA ........................................... 26
W-05 Developing a Set of Learning and Educational Objectives for Engineering Ethics in a
   Globalized World: Findings from an International Survey of the Objectives
   Hiroyuki TSUJII and Jun FUDANO ........................................... 30
W-06 Cooperative Graduate Education Program for the Development of Global Human
   Resources in Energy and Environmental Science and Technology
   Tetsuo TANABE, Yasutake TERAOKA, Hideharu NAKASHIMA, Dong WANG,
   Joo-II PARK and Akira HARATA ........................................... 36
W-07 International Engineering and Science Research Exchange Program
   Enhancements through Innovations
   Jeffrey S. CROSS, Kikuo KISHIMOTO, Sachio HIROSE and
   Hidetoshi SEKIGUCHI ......................................................... 42
W-08 On the Experience of Teaching Engineering Subjects for G30/IUPE Students
   Mikhail SVININ and Yang BAI .............................................. 48
W-09  From PhD to “Superleaders” – The Advanced Graduate Course on Molecular Systems for Devices at Kyushu University –
Emi MAKINO .........................................................................................................................52

W-10  A Total Project Approach to Academic Courses
Andrew ROBERTSON ..............................................................................................................56

W-11  ASEAN-Japan Build-Up Cooperative Education Program for Global Human Resource Development in Earth Resources Engineering
Koichiro WATANABE, Hideki SHIMADA, Yasuhiro FUJIMITSU, Kotaro YONEZU,
Yuichi SUGAI, Sugeng WAHYUDI, Jillian GABO, Takashi SASAOKA,
Thomas TINDELL, Mana YASUI and Etsuo UCHIDA .................................................................60

W-12  Learning Express: Transnational Collaboration in Engineering Education Based on the CDIO Framework
Mune-aki SAKAMOTO, Omihito MATSUSHITA, Kiyomi FUJII, Akihiro TSUDA and
Masatoshi OTA ..........................................................................................................................66