

제10차 國內外科學技術者 종합학술대회

科總主催, 전세계 한국과학기술자등 4천여명 참가

7월 7일부터 컴퓨터과학등 8개분과서 400여 논문발표

미주지역을 비롯 구라파, 일본 등 전 세계에 퍼져 있는 동포과학자와 국내 과학기술자등 4천여명이 대거 참가하는 제10차 國內外 한국 과학기술자 종합학술대회가 오는 7월 7일부터 10일까지 4일간 仁荷대학교에서 개최된다.

이번 학술대회는 7월 6일 협의회를 시작으로 7일 개회식및 축하연에 이어 바로 학술발표에 들어가 10일까지 4일간 실시하며 14-15일 산업시찰, 16일 연구·교육기간 견학, 18일 간담회 및 세미나 등의순서로 진행된다.

특히 7일부터 10일까지 4일간 계속될 학술발표는 ▲수리분과(수학, 통계학) ▲물리과

학분과(물리학, 화학) ▲생명과학분과(생물학, 의학, 약학, 농수산학) ▲지구과학 분과(해양학, 지질학, 천문학, 우주과학) ▲정보산업분과(전기, 전자, 컴퓨터, 통신, 시스템공학) ▲재료공학분과(재료공학) ▲산업기술 I분과(기계공학, 화학공학) ▲산업기술 II분과(건축공학, 토목공학, 환경공학) 등 8개분과에서 모두 400여편의 최신 연구논문이 발표되며 아울러 전문분야별 세미나와 워크숍도 실시될 예정이다.

國內外 한국 과학기술자간의 유대를 강화하고 첨단과학기술의 전달과 교류로 산업기술의 향상과 국제경쟁력 강화를 목적으로 열리는 이번 대회는 미

주지역에서 450여명, 구주지역에서 150여명, 일본 지역에서 100여명등 재외과학기술자 700여명(일반 참가자 및 동반가족포함)과 국내과학기술자 등 총 4천여명이 참가하는 매머드 학술제전이 될 것으로 보인다.

지난 84년에 이어 3년만에 열리는 종합학술대회인 이번 대회는 미주·구라파·일본등 세계 각국에 퍼져있는 우리의 고급두뇌들이 한자리에 모여 최신 학술 및 기술정보를 직접교환함으로써 연구활동과 기술혁신을 촉진하는 한편 국제사회에서 활동하는 우리 민족의 과학능력과 기술저력을 전 국민에게 재인식시키고 과학풍토를 진작시킬 것으로 기대되고 있다.

수 리 분 과

(수 학)

좌장 :

박용문 (연세대학교이과대학)

명효철 (Univ. of Northern Iowa)

*명효철(Univ. of Northern Iowa, U. S. A.)=The Second Cohomology Group of a Flexible Lie-Admissible Algebra

*이춘재(Wayne State Univ., U. S. A.)=Hyperspace Contraction

*김순규(Univ. of Connecticut, U. S. A.)=The Generalized Morse Lemma and the Euler Characteristic on Banach Manifolds

*강정인(Tennessee Tech. Univ., U. S. A.)=Maps of ANR's Whose Images Are ANR's

*김재희(부산대학교자연과학대학)=Representations and Comparison Theorems of Solutions of Stochastic Differential Equations with Reflecting Boundary Conditions

*김홍오(한국과학기술원)=Composition of Two

Unit Singular Inner Functions

(통 계 학)

좌장 : 남준모 (NCI, NIH)

- *남준모(NCI, NIH, U. S. A.)=Bias Correction for Bernstein's Estimator in Generalized ABO-like Systems
- *이영작(NIH, U. S. A.)=Nonparametric Methods in Quadratic Regression
- *강근석(Univ. of Wisconsin, U. S. A.)=Topics in Multiresponse Analysis
- *이영조 (한림대학)=A Modification of the Combined Estimator of Inter-and Intra- Block Estimators under an Arbitrary Convex Loss Function

물리과학분과

(물 리 학)

좌장 :

박대윤 (인하대학교 공과대학)

권오석 (Lockheed Palo Alto Res. Lab.)

이덕교 (Oak Ridge National Lab.)

- *전탁수(Georgia Univ., U. S. A.)=뉴턴의 운동 방정식의 확장(EII) : 핵내전자궤도론
- *전기재(日本天文學會)=뉴턴의 운동방정식의 확장(GI) : 신우주론
- *전기재(日本天文學會)=뉴턴의 운동방정식의 확장(EI) : 신원자론
- *양종만(이화여자대학교 자연과학대학)=Isotopic Anomalies in the Universe and in the Solar System
- *박혜일(서울대학교공과대학)=SNU 1.5MV 직렬형 반대그라프의 교정 및 PIXE 실험
- *전일동(연세대학교이과대학)=Possible New Frequency Shifts for Transition $2S\frac{1}{2}-2P\frac{1}{2}$ in Hy-

drogen Atom in Specific Boundary

- *임기수(Univ. of Connecticut, U. S. A.)=UV Induced Color Centers and Gain Measurements in Trivalent Cerium Ion Doped Lithium Yttrium Fluoride
- *윤춘섭(Univ. of Strathclyde, U. K.)=The Growth Perfection and Properties of Some Organic Non-Linear Optic Crystals
- *강경식(Brown Univ., U. S. A.)=An Attempt to Extend the Standard Model to Include Invisible Axions and Majorons
- *강경식(Brown Univ., U. S. A.)=Light Neutrino Masses and Mixing Angles in $SO(10)$ with Realistic Flavor Structure, and the Solar Neutrino Problem
- *김상렬(Penn. State Univ., U. S. A.)=Non-destructive Characterization of Ion Implanted SOI Layers
- *은희준(한국표준연구소)=Wide-Band Spectral Analysis for Identifying Impulsive Components in the Signals
- *구현모(TU Berlin, W. Germany)=The Divergence of the Viscosity of a Fluid of Hard Spheres as an Indicator for the Fluid-Solid Phase Transition
- *김선웅(고려대학교 이과대학)=The Feasibility Study of Growth Method of HgCdTe and the Manufacturing of its Apparatus
- *이덕교(Oak Ridge National Lab., U. S. A.)=Application of Theta Functions for Numerical Evaluation of Complete Elliptic Integrals of the First and Second Kinds
- *조무현(Univ. of Wisconsin, U. S. A.)=Measurements of Time Varying Plasma Potential and Sheaths
- *장충석(한국과학기술대학)=Bi-Maxwellian Nature of the Electron Cyclotron Resonance Heated Electrons
- *권오석(Lockheed Palo Alto Res. Lab., U. S. A.)=High Speed Laser Interferometry

(화 학)

좌장 : 심상철 (한국과학기술원)
진종식 (서강대학교 이공대학)
김재일 (TU Muenchen)
박수문 (Univ. of New Mexico)

- *박수문(Univ. of New Mexico, U. S. A.)=Personal Computers in Chemistry Laboratories
- *최기주(The Standard Oil Co., U. S. A.)=Application of Laser Induced Fluorescence and Laser Ionization Spectrometry to Trace Element Detection
- *최기주(The Standard Oil Co., U. S. A.)=Time-Resolved Fluorescence Studies of Surfactant Solutions
- *이계호(Oregon State Univ., U. S. A.)=Characterization of Multi-Electrode Sample-Entraining New Plasma Sources for Atomic Emission Spectroscopy
- *김연택(Pennsylvania State Univ., U. S. A.)=Fabrication of Carbon Micro-Ring Electrode and Its Application to in Vivo Voltammetry
- *이규호(한국화학연구소)=Flow of Gases through a Microporous Glass Membrane
- *정만길(Univ. of Mississippi, U. S. A.)=Practical Synthesis of Desoxyartemisinin
- *심상철(한국과학기술원)=Photoreaction of 5, 7-Dimethoxycoumarin
- *윤능민(서강대학교이공대학)=Potassium Triphenylborohydride, A New Selective Reducing Agent for the Reduction of Carbonyl Compounds and Epoxides
- *최용문(Purdue Univ., U. S. A.)=New Simple Method for an Enhanced Rate of Borane-Dimethyl Sulfide Reduction of Representative Organic Functional Groups
- *장수익(Cornell Univ., U. S. A.)=Interaction of Spin-Labeled Nicotinamide Adenine Dinucleotide Phosphate with Chicken Liver Fatty Acid Synthase
- *강귀길=Isochroman-4-one 및 그 유도체의 합성
- *서정현(서울대학교자연과학대학)=Mechanistic Studies on Carboxypeptidase A and Its Models
- *한선경(Univ. of New Hampshire U. S. A.)=DETERMINATION OF INORGANIC TIN, METHYL TIN, AND BUTYL TIN COMPOUNDS IN SEDIMENTS
- *이윤섭(한국과학기술원)=All-Electron Relativistic Self-Consistent-Field Calculations for Atoms and Diatomic Molecules
- *이상국(National Research Council, Canada)=Infrared-Infrared Double Resonance in CH₃F and NH₃
- *이상국(National Research Council, Canada)=High Resolution Infrared Spectroscopy of Molecular Ions.
- *김홍래(Univ. of Illinois, U. S. A.)=Infrared Studies on Intramolecular Vibrational Relaxation
- *엄익환(Queen's Univ., Canada)=The Effect of Medium on the α -Effect
- *이송희(Univ. of Maine U. S. A.)=Molecular Dynamics Simulations of Stockmayer Dipole between Lennard-Jones Plates
- *전무식(한국과학기술원)=Water Environment Theory and Modern Diseases
- *진종식(서강대학교이공대학)=Catalytic reactions of Unsaturated Alcohols with Four Coordinated Iridium(I) Complexes
- *최규용(Univ. of Maryland, U. S. A.)=Solid Catalyzed Gas Phase Olefin Polymerizations in Continuous Flow Reactors
- *이건성(Princeton Univ., U. S. A.)=Chemistry of Tungsten Alkylidyne Complexes : Reactions with Alkynes
- *이치우(Univ. of Texas, U. S. A.)=Electron Transfer Reactions
- *최용문(Purdue Univ., U. S. A.)=Practical and Convenient Procedures for the Synthesis of Lithium Borohydride from Sodium Borohydride in Simple Ether Solvents and Its Application

*김재일(TU Muenchen, W. Germany)= Trans-uranium Chemistry in Natural Aquifer Systems : A Review

생명과학분과

(생물학)

좌장 :

권영명 (서울대학교 자연과학대학)

장정순 (인하대학교 이과대학)

홍순우 (서울대학교 자연과학대학)

유두영 (Univ. of California)

강성중 (Mount Sinai School of Medicine)

*진창덕(서울대학교자연과학대학)=무우 유식물의 노화에 미치는 Triacontanol의 효과

*이인철(대전대학)=O₂농도변화에 따라 광합성 탄소대사에 미치는 Glutamate와 Ammonium 이온의 영향

*정현숙(연세대학교이과대학)=Nostoc muscorum 과 담배 배양세포의 공생유도에 따른 질소고정능에 관한 연구

*반봉선=적목 삼목 육목 및 조립연구

*이종섭(서울대학교자연과학대학)=Structure and Chromosomal Arrangement of Leghemoglobin Genes in Soybean and Kidney Bean

*조문구(Univ. of Strathclyde, U. K.)=Plant in vitro Culture and Biochemicals

*김준철(Univ. of Nottingham, U. K.)=Gametosomatic Hybridisation through the Fusion of Nicotiana tabacum Mesophyll Protoplasts (2n) and Petunia hybrida Tetrad Protoplasts (n)

*윤정순(Ohio Univ., U. S. A.)=Study of Transgenic Mice : Female Reproductive System and Other Characteristics

*최혜련(Harvard Medical School, U. S. A.)=Receptor Mediated Endocytosis of Transferrin : Effect of Ligand Binding on Receptor Phosphorylation and Endocytosis

osphorylation and Endocytosis

*김학열(고려대학교이과대학)=배추흰나비의 저장단백질

*이종규(Univ. Regensburg, W. Germany)=Post-embryonic Development of the Labial Palp-pit Organ of the Cabbagebutterfly

*강성중(Mount Sinai School of Medicine, U. S. A.)=Purification of Tissue Factor

*장정순(인하대학교이과대학)=드렁허리 면역 Globulin의 분자구조 및 면역학적 특성에 관하여

*이상호(King's College London, U. K.)=The Appearance of Glycoconjugates Associated with Cortical Granule Release During Mammalian Fertilization and Parthenogenetic Activation

*정진하(서울대학교자연과학대학)=A new Soluble ATP-Dependent Protease Ti in Escherichia coli That is Distinct from Protease La

*유두영(Univ. of California, U. S. A.)=Commercialization of Biotechnology : A Strategy for Research and Development of Recombinant Fermentation Processes

*유향숙(Univ. of Tennessee, U. S. A.)=Induction of Allantoin Gene Transcription is Mediated by Three Elements which Regulates One Another Operation in Yeast, Saccharomyces Cerevisiae

*김철호(日本東京大學)=Molecular Cloning and Expression of Raw-Starch Digesting α -Amylase Gene from Bacillus Circulans F-2 into Escherichia coli and Its Characterization

*김홍열(Univ. of Warwick, U. K.)=Maintenance & Mechanism of Replication and Partitioning of MINI-CoIV-H247 Plasmid

*김기은(TU Berlin, W. Germany)=Degradation of Aromatic Compounds by Microorganisms

*김상중(서울대학교자연과학대학)=Bacterial Degradation of Petroleum Hydrocarbon in Coastal Water of Korea

*서병철(Univ. Stuttgart, W. Germany)=Ethylcarbamate(Urethane) in Alcoholic Beverages

- *강창원(한국과학기술원)=Genetic Analyses of Phage SP6 Transcription Initiation
- *정재훈(한국과학기술대학)=IS 50-Specific Recombination
- *김경수(Univ. Wuerzburg W. Germany)=The Effects of TSHERNOBYL-Catastrophy to Food
- *황세영(Princeton Univ., U. S. A.)=Rapid Determination of Kinetic Constants by Competitive Spectrophotometry
- *이강민(Univ. Louis Pasteur, France)=Enzymes and Organic Solvents
- *김병동(Univ. of Rhode Island, U. S. A.)=Four-Stranded DNA and Intercoiled DNA : Intermediates of Recombination
- *신영애(NIA, NIH, U. S. A.)=Circular Dichroism and Its Empirical Application Biopolymers
- *유연우(아주대학교공과대학)=Purification and Characterization of Semisynthetic beta-Lactam antibiotics Synthesizing Enzyme from Acetobacter turbidans

(의 약 학)

좌장 : 장일무(서울대학교 생약연구소)
 이희민(Dral Roberts Univ.)
 이인수(FDA)
 방성성(Univ. de Geneve)
 신윤숙(Univ. of Muenchen)

- *고광호(서울대학교약학대학)=선천성 간질동물에서의 중추신경 전달과정에 관한 연구
- *서유현(서울대학교의과대학)=카테콜아민 합성효소 유전자들의 유전자크로닝 및 구조
- *강영남(日本京都大學)=Excitatory Synaptic Actions between Pairs of Neighboring Pyramidal Tract Cells in the Motor Cortex of the Cat
- *김 전(서울대학교의과대학)=코양이에서 척수 전근내 감각섬유(Ventral Root Afferent Fiber)에 대한 생리학적 연구

- *김원호(UCLA Medical Center, U. S. A.)=The Effects of GnRH on Rat LH Subunit Specific Messenger RNA's during Down Regulator Phase
- *이희민(Oral Roberts Univ., U. S. A.)=Potential Role of Methionine Enkephalin in the Regulation of Blood Pressure in Intact Rabbits
- *이진옥(Cornell Univ., U. S. A.)=Dependence of Na-Ca Exchange on Intracellular Sodium Ion Activity in Cardiac Purkinje Fibers
- *이남수(The State Univ. of New Jersey U. S. A.)=Nutrient Effect & Control of Brain Functions A Review of Recent Advances
- *도운회(Dupont, U. S. A.)=Metabolism of Inositol Cycle Products
- *전성근(Univ. of Minnesota, U. S. A.)=Distribution and Metabolisms of Leukotrienes C₄ in the Central Nervous System
- *신윤숙(Univ. of Muenchen W. Germany)=Minor Haemoglobins in Diabetes and Other Disorders of Carbohydrate Metabolism : Possible means for Monitoring Dietary Compliance
- *지제근(서울대학교의과대학)=Current Status of Congenital Malformation Statistics in Korea
- *주증광(Univ. of Georgia, U. S. A.)=Advances in AIDS Research
- *이호왕(고려대학교의과대학)=Hemorrhagic Fever with Renal Syndrome (HFRS) in the World
- *서영준(Univ. of Wisconsin U. S. A.)=DNA and RNA Adduct Formation from the Carcinogen, 7-Hydroxymethyl-12-Methylbenz [a] Anthracene via Metabolic Activation to Electrophilic Sulfuric Acid Ester in vivo
- *김정심(Univ. of North Carolina, U. S. A.)=2, 4-Dichlorophenoxyacetic Acid (2,4-D) increases Its Retention within the Brain by the Saturation Kinetics of the Choroid Plexus
- *이영화(FDA, U. S. A.)=Toxicity of Heavy Metals : Cadmium, Mercury and Lead
- *이인수(FDA, U. S. A.)=Xenobiotic Modification of Organ Toxicity

- *김영우(DuKe Univ., U. S. A.)=Cytotoxicity of an Immunotoxin with Human Pancreatic Tumor Cells
- *남기열(日本京都大學)=The Effect of Tumor Promotors on the Membrane Structures
- *이영작(NIH, U. S. A.)=Statistics in Bioassays and In-vitro Mutation Assays
- *박주배(서울대학교의과대학)=인체 위암의 암 유전자에 관한 연구
- *이광호(日本京都大學)=A Novel Family of Variable Region genes of the Human Immunoglobulin Heavy Chain
- *이경노(The Samel Roberts Nobel Foundation, Inc., U. S. A.)=Regulation of Transglutaminase Gene Expression by Sodium Butyrate
- *김해원(Mercer Univ., U. S. A.)=Recent Developments in the Blood Substitute Research
- *안호삼(Schering Corp., U. S. A.)=Biochemical and Pharmacologic Profiles of Spirapril
- *박정극(Lehigh Univ., U. S. A.)=Cellulases and Hemicellulases of Thermomonospora Fusca : Production, Biochemical Characterization and Their Adsorption Phenomena onto Insoluble Substrates
- *송민동(日本東京大學)=Mechanism of B-Lactam Resistance in Highly B-Lactam Resistant Staphylococcus aureus
- *윤 돈(TU Berlin, W. Germany)=세포배양 기술을 이용한 기초약리시험방법
- *방 성(Univ. de Geneve, Swiss)=Aluminium and Fluoride Accumulation in Bone of Haemodialyzed Patient
- *이남수(The State Univ., of New Jersey, U. S. A.)=Diet, Cholesterol and Heart Disease Controversy : A Review of Clinical Trials
- *이희태(Univ. Karlsruhe, W. Germany)=비타민이 운동효과에 미치는 영향
- *하준규(日本西京病院)=활성 탄흡착 Adriamycin의 새로운 Drug Delivery System으로서의 특성에 관한 기초적 검토
- *배경선(The Univ. of Alberta, Canada)=An Estimate of Hospital Resource Consumption by Ca-

rdiac Patients

- *배경선(Univ. of Alberta, Canada)=Assessment of Surgical Care : An Application of Survival Analysis

(농 수 산)

좌장 :

김영교(고려대학교 농과대학)

권태완(한국과학기술원)

주학윤(Nova Scotia Agri. College)

- *오인환(Univ. Kiel, W. Germany)=새로운 건조 수확기의 개발
- *박경규(경북대학교농과대학)=젖소의 사료급여시스템 결정
- *이기순(Texas A & M Univ., U. S. A.)=Factors Affecting Lipid Oxidation in Red Meat
- *이기춘(Texas A & M Univ., U. S. A.)=New Roles of Extruders in Food Industry
- *전익준(Kansas State Univ., U. S. A.)=Recent Development in the Gas Chromatographic Methods of Food Flavor Analysis
- *박석원(Texas A & M Univ., U. S. A.)=Cholesterol Oxidation in Foods
- *이현유(농산물유통공사 종합식품연구원)=한국산 감귤주스의 풍미성분
- *김선장(Univ. of Wisconsin, U. S. A.)=Thiolation of B-Lactoglobulin with N-Acetyl homocysteine Thiolactone (N-AHTL) and S-Acetylmercaptosuccinic Anhydride (S-AMSA)
- *고은숙(Univ. of Oklahoma, U. S. A.)=Effects of Fructose Feeding on Selected Metabolites in Obese and lean, Diabetic and Nondiabetic Zucker Rats
- *이남형(한국과학기술원)=The Effects of Intraruminal Infusions of Urea, Casein, Glucose Syrup and a Mixture of Casein and Glucose Syrup on Nitrogen Digestion in the Rumen of Cattle Receiving Grass-silage Diets
- *한인규(서울대학교농과대학)=Bioavailability of

- Amino Acids in Cereals and Legumes
- *박영우(Prairie View A & M Univ., U. S. A.)=Buffering Capacity of Goat Milk Compared with That of Cow Milk in Relation to Chemical Entities
 - *한명세(日本東京大學)=Transovarial Transmission of Nosema Bombycis in the Insect
 - *주학윤(Nova Scotia Agricultural College., Canada)=Effects of Boron Nutrition and Plant Growth Regulators on the Growth and Yield Lowbush Blueberry
 - *임광애(USDA-ARS,U.S.A.)=Biocontrol of Verticillium Dahliae by Talaromyces Flavus Mediated by Glucose Oxidase
 - *이치원(Colorado State Univ., U. S. A.)=Hydroponic Production of Greenhouse Crops in Rockwool
 - *이종민(Drexel Univ, U. S. A.)=Structural Relationship to Physical and Textural Properties of Protein Gel-Based Composite Products

지구과학분과

(해양과학)

좌장 : 지정만 (인하대학교 공과대학)

- *진두정(Geophysical Consultant, U. S. A.)=Homomorphic Deconvolution in Resources Exploration
- *노의근(Johns Hopkins Univ., U. S. A.)=Turbulent Mixing in a Rotating, Stratified Fluid
- *승영호(인화대학교이과대학)=동, 서해에 있어서 Geostrophic Adjustment Model의 적용

(지질학)

좌장 : 지정만 (인하대학교 공과대학)

- *조성권(서울대학교자연과학대학)=Debris Apron

Model of Ulleung Back-Arc Basin, Miocene to Recent

- *김경훈(日本大阪經濟法科大學)=만장굴 용암 석주 부근의 수질농도 분석
- *김천수(McGill Univ., Canada)=Weatherability of Mud Rocks

(천문·우주과학)

좌장 : 이태영 (연세대학교 이과대학)
황보한 (MRJ/Perkin Elmers Corp.)

- *황보한(MRJ/Perkin Elmers Corp., U. S. A.)=Thermal Design of Advanced X-Ray Astronomy Facility (천문)
- *최승언(서울대학교사범대학)=Radio Structure of Cometary H II Region G343+0.2 (천문)
- *안창혁(Univ. of Alabama, U. S. A.)=Magnetohydrodynamic Study for the Formation of Solar Prominences (천문)
- *이효상(SM System & Res. Corp., U. S. A.)=Rocket Ozone Sensor
- *이영수(COMSAT Corp., U. S. A.)=Technology Development for Future Space Communications (우주)
- *김영균(GTE Spacenet Corp., U. S. A.)=DS-CDMA System for Commercial Satellite Communication Networks (우주)
- *고의곤(INTELSAT, U. S. A.)=Digital Satellite Link Design (우주)
- *정용승(Atmospheric Environment Service, Environment, Canada)=Airport Construction and Environmental Impact Assessment (기상)
- *이태영(연세대학교이과대학)=지면알비도의 원격탐사에 있어서 대기효과와 Non-Lambertion 효과 (기상)

정보산업분과

(전 기)

좌장 : 김창환 (Siemens AG.)

- *김춘우(Purdue Univ., U. S. A.)=Classification of Surface Defects on Wood Boards Using SAR Model
- *이유신(TU Darmstadt, W. Germany)=비접촉 속도측정 (Non Contact Velocimetry)
- *권병일(日本東京大學)=Lateral Behaviour of a Magnetic Wheel and Its Coordination with the Maglev Control System
- *문영현(연세대학교공과대학)=최적선형 추적법에 의한 부하주파수제어
- *김상봉(日本東京工業大學)=Design of Optimal Regulator with Its Poles in a Specified Region for Discrete Systems
- *이범희(서울대학교공과대학)=Collision Maps and Their Application to Robot Motion Planning
- *성영권(고려대학교공과대학)=PECVD의 SIN막의 전기전도와 TDDB

(전 자)

좌장 : 김영권 (건국대학교 공과대학)
 송영두 (TRW Inc.)
 김현우 (日本長崎綜合科學大學)

- *권녕세(한국과학기술원)=OEIC(Optoelectronic Integrated Circuit) Researches at KAIST
- *유원영(한국전자통신연구소)=텔레매틱통합처리 시스템과 PC 통신
- *전주식(서울대학교공과대학)=서울대학교에서 개발중인 실리콘컴파일러의 논리합성 기법
- *박승규(한국전자통신연구소)=한의진단시스템의 개발방법
- *최민성(금성반도체<주>)=High Density DRAM
- *임형규(삼성반도체통신<주>)=EEPROM의 신뢰성 향상 기술
- *정교영(Purdue Univ., U. S. A.)=Modelling and

Applications of Ambipolar a-Si : H Thin-Film Transistors

- *김덕규(日本東京大學)=Harmonic Analysis of a 'Capacitor-Filtered Rectifier with Line Impedance
- *장재춘(Robert Bosch Technische Zentrum, W. Germany)=전자제어 엔진관리시스템
- *이일항(AT & T Bell Labs., U. S. A.)=III-V Compound Semiconductors on Silicon for 2-D and 3-D Integration of Photonics and Electronics
- *이일항(AT & T Bell Labs., U. S. A.)=Frontiers of Semiconductor Materials Research for High-Speed Electronics and Optoelectronics
- *송영두(TRW Inc. U. S. A.)=Latch-up Suppression in Advanced CMOS
- *윤길원(Univ. of Texas, U. S. A.)=Methods of Determining Optical Properties for Laser Irradiated Tissue
- *이종명(North Carolina State Univ., U. S. A.)=An Analysis of Finite Precision Effects for the Autocorrelation Method and Burg's Methods Linear Prediction
- *최송울(Univ. Berlin, W. Germany)=Modeling of Power Diode and GTO Thyristor for CAD
- *심태언(日本早稻田大學)=Activation Characteristics of Sn-Implanted GaAs
- *김현우(日本長崎綜合科學大學)=Metal-Semiconductor Interface
- *장갑순(日本東海大學)=Surface Migration of Metal and Semiconductor in a High Electric Field and Temperature
- *김도자(Honeywell, U. S. A.)=Digital Electronics for Electrician

(컴 퓨 터)

좌장 :
 왕창중 (인하대학교 이과대학)
 박찬모 (The Catholic Univ. of America)
 현광남 (日本足利工業大學)

- *김영원(Nichols Res. Corp., U. S. A.)=A Data

- Analysis Expert System for Large Established Distributed Databases
- *한상용(IBM, U. S. A.)=Single Row Routing in Narrow Streets
 - *김영록(McDonnell Douglass Network System Co., U. S. A.)=On Data Communication and Protocols
 - *이인규(Univ. de Compiègne, France)=Distributed Operating System : CHORUS A Heterogeneous Parallel Distributed Machine
 - *황치정(Univ. of Connecticut, U. S. A.)=An Optimal Stochastic Reduction Algorithm for the Representation of Complex Natural Shapes
 - *황치정(Univ. of Connecticut, U. S. A.)=Object Recognition Using Generalized Fourier Shape Descriptors
 - *정동석(Virginia Polytechnic Inst. & State Univ., U. S. A.)=A New Approach for Early Phase Image Understanding
 - *박찬모(The Catholic Univ. of America, U. S. A.)=Recent Advances in Digital Image Processing and Its Role in Artificial Intelligence
 - *서의호(Tennessee Tech. Univ., U. S. A.)=A Relational Framework for Interactionbase Management in Three Component Decision Support System
 - *전세용(Univ. de Compiègne, France)=A Creation of Triangular Interpolation Patch
 - *김정국(한국외국어대학교문리과대학)=컬러 및 흑백화상을 위한 최적 콘타이징노이즈 워드 백시스템의 설계
 - *윤경현(Univ. of Connecticut U. S. A.)=Aspects of Image Rendering and Global Illumination Modelling Using Non-Polygonal Object Definitions
 - *김경훈(日本大阪經濟法科大學)=The Statistical on Numerical Analysis for the Petrogy and Bulk Chemical Composition in Cheju Volcanic Island
 - *김문재(〈주〉 C & B시스템, 일본)=Software 개발요원에 대한 전문교육의 필요성
 - *천유식(한국전자통신연구소)=A Developer

Oriented Model of the Life-Cycle

- *현광남(日本足利工業入學)=Software Tools for Multiobjective Linear Programming on Unix Systems
- *오세영(Univ. of Florida, U. S. A.)=An Associative Memory Based Robot Dynamics Computer
- *이진형(Univ. of Central Florida, U. S. A.)=Intelligent and Interactive Simulation Systems

(통신)

좌장 : 윤대희 (연세대학교 공과대학)

- *정현열(日本東北大學)=Analysis and Recognition of 8 Korean Vowels Using Formant Frequency
- *장효강(M/A-COM, U. S. A.)=Architectural Issues on General-Purpose DSP Chips
- *어재홍(Tau-tron Inc., U. S. A.)=A New Performance Estimation Technique for Digital Transmission Systems Via the Single Parity Checking Code
- *이황수(한국과학기술원)=Korean Phoneme Classification Using Recursive Least-Square Algorithm
- *이재천(한국과학기술원)=Transform-Donain Least Squares Adaptive Filtering

(시스템)

좌장 : 오기탁 (Univ. of Toledo)

이건치 (AEG Aktiengesellschaft)

- *채경철(Univ. of New Brunswick, U. S. A.)=Asset Selling Problem : An Overview
- *정동석(Virginia Polytechnic Inst., & State Univ., U. S. A.)=Image Identification Using General Decision Criterion
- *오기탁(Univ. of Toledo, U.S.A.)=Improving Manufacturing Productivity Through Automation of Management Functions
- *오기탁(Univ. of Toledo, U. S. A.)=Equipment

- Replacement Strategy Considering Competition and New Technology
- *박상일(Univ. of New Mexico, U. S. A.)=Non-recursive Adaptive Signal Detection Algorithms
- *박동규(Western Washington Univ., U. S. A.)=Effective Implementation of Quality Programs with Application of Objectives Matrix Technique within Small and Medium Size Korean Companies
- *김성식(고려대학교공과대학)=Optimal Idle and Inspection Periods for M/G/1 Queues
- *심정필(Mississippi State Univ., U. S. A.)=Networking Microcomputer for MS/OR Education
- *이건치(AEG Aktiengesellschaft, W. Germany)=분산형 공정제어 시스템의 구조분석
- 재료공학분과**
- (금 속)
- 좌장 : 유연철 (인하대학교 공과대학)
조정시 (McDonnell Douglas Corp.)
한관수 (日本 東北大學)
- *이준복(The Standard Oil Co., U. S. A.)=Electrochemical Methods for the Intergranular Corrosion Property Evaluation of Stainless Steels
- *권영각(Univ. de Compiègne, France)=Corrosion Fatigue Cracking of Mild Steels in Seawater with Cathodic Protection : Some Influencing Factors
- *김인달(TU Berlin, W. Germany)=Defect Structure of Intermetallic Compound AgMg
- *이현구(Carnegi Mellon Univ., U. S. A.)=Measurement and Analysis of Surface and Partially Coherent Interphase Boundary Energies in Al-Ag Alloys with the Zero Creep / Thermal Grooving Technique.
- *안성욱(Univ. Erlangen-Nuernberg, W. Germany)=Transient Creep Modelling of Inconel 617 at 800°C Based on Dislocation Structure
- *남수우(한국과학기술원)=Cyclic Creep 변형특성과 가속화 기구
- *양충진(Marko Materials Inc., U. S. A.)=Bend Ductility of 70-30 Alpha Brass
- *양충진(Marko Materials Inc., U. S. A.)=New High Performance Permanent Magnet via Rapid Solidification Technology
- *김명선(North Carolina State Univ., U. S. A.)=The Structure of Amorphous Nb-Ge and Nb-Sn Alloys(Non-Glass Forming Systems) Synthesized by Mechanical Alloying
- *송정식(IBM, U. S. A.)=The Influence of a Thin Gold Interlayer on the Silicide Formation Kinetics
- *이동녕(서울대학교공과대학)=고탄소 강선의 세멘타이트 구상화의 촉진법
- *조정시(McDonnell Douglas Corp., U. S. A.)=An Overview of Aircraft Materials
- *조정시(McDonnell Douglas Corp., U. S. A.)=Critical Items in Aircraft Materials and Processes Selection
- *남홍(GE, U. S. A.)=Review on Aircraft Engine Bearing Materials and Design Technology
- *이경이(Ecole Centrale de Paris, France)=Mathematical Simulation of al Baking Furnace for Carbon Anode Used in the Aluminum Electrolysis
- *박성국(日本 京都大學)=Thermodynamic Considerations of the Electrical Conductivity of Practical Electrolyte Solutions
- *한관수(日本 東北大學)=Thermodynamic Prediction of Distribution Coefficient for Some Rare Earth Chloride-Hydrochloric Acid-Organophosphorus Acid Solvent Extraction Systems
- *이찬규(日本 東北大學)=Isotope Effect and Cobalt-Diffusion in bcc-Fe and bcc-Fe-Co Alloy
- *강정윤(日本 大阪大學)=Transient Liquid Insert Metal Diffusion Bonding of Nicke 1-Base Superalloy

(요 업)

좌장 : 이 전 (인하대학교 공과대학)
이인성 (Clemson Univ.)

- *임대순(National Bureau of Standards, U. S. A.)= Wear Mechanisms in Structural Ceramics
- *임대순(National Bureau of Standards, U. S. A.) =Space Charge Modification on Surface Deformation of Single Crystal Silicon
- *이인성(Clemson Univ., U. S. A.)=Ceramic Nanocomposites
- *김남경(Univ. of Illinois, U. S. A.)=Preparation and Properties of Amorphous Lead Iron Tungstate Ceramics
- *김호기(한국과학기술원)=Characteristics of Domain Tetragonal Phase PZT ceramics
- *김도연(서울대학교공과대학)=The Microstructural Evolution During the Precipitation Reactions of Partially Stabilized Zirconia
- *김해두(RWTH Aachen W. Germany)=The Effect of NO₂O on Alumina Sintering
- *윤수춘(Ohio Ferro Eng. Co., U. S. A.)=Injection Moulding of Ceramic Material

(고 분 자)

좌장 : 노익삼 (한국고분자학회장,
인하대학교 공과대학)
정찬영 (R. P. I.)
성낙호 (Tufts Univ.)

- *최원욱(日本京都大學)=Living Cationic Polymerization of Functionalized Vinyl Ethers with 2-Phenoxyethyl or Perfluoroalkyl Pendant Group
- *이재석(日本東京工業大學)=Synthesis of New Porous Membrane with Functional Group
- *조원제(부산대학교공과대학)=Synthesis and Physiological Genetic Effect of Polymers Containing 5-Fluorouracil with Potential Antitumor Activity

- *성종숙(Univ. of Connecticut, U. S. A.)=Applications of Dye Labelling Technique to Polymer Science
- *송기국(Univ. of Michigan, U. S. A.)=The Raman Active Longitudinal Acoustic Mode Studies of Poly(Ethylene Oxide)
- *김용원(Case Western Reserve Univ., U. S. A.)=Mechanical Properties of Miscible Polymer Blends
- *김난영(Univ. of Dayton, U. S. A.)=Fatigue Performance of Notched Composite Laminates
- *성낙호(Tufts Univ., U. S. A.)=Interface Modification in Fiber Reinforced Polymeric Composites
- *정규하(Dow Corning Corp., U. S. A.)=Composite Compliant Coatings for Drag Reduction Utilizing Low Modulus High Damping Silicone Rubber
- *김대식(Univ. of Connecticut, U. S. A.)=Viscoelastic Behavior of Sulfonated Polystyrene Ionomers
- *권병도(MIT, U. S. A.)=Rheological Characterization of Novel Anionic Microbial Polysaccharides : Gellan, Rhamsan, and Welan
- *윤재륜(Univ. of South Carolina, U. S. A.)=An Elastic-Plastic Stress Analysis of a Polymeric Subsurface with a Thin Layer under Normal and Tangential Loading
- *박수문(Univ. of New Mexico, U. S. A.)=Electrochemical Studies of Electrically Conductive Polyaniline
- *임승순(한양대학교공과대학)=Kinetics Studies of Solvent-Induced Crystallization of Poly(Ethylene Terephthalate) by the (in situ) Density Measurement
- *윤현남(Celanese Research Co., U. S. A.)=Development of Polymeric Nonlinear Optical Materials
- *민태익(Mobil Chemical Co., U. S. A.)=Colloidal Aspects of Polymer Latices
- *남세현(3M Co., U. S. A.)=Mechanism of the Ac-

tion of Fluoroelastomer Processing Aids in Polyolefins

- *김정현(Lehigh Univ., U. S. A.)=Preparation of Large-Size-Monodisperse Latex Particles in a Rotating Reactor
- *정찬일(Rensselaer Polytechnic Inst., U. S. A.)=Analytical Melting Model Polymer Pellets
- *이현용(Invitron Corp., U. S. A.)=System Analysis and Design for Mass Production of Mammalian Cells

(섬 유)

좌장 : 마석일 (인하대학교 공과대학)

- *양갑승(North Carolina State Univ., U. S. A.)=Processing Lyotropic Liquid Crystalline Solutions of Cellulose in the Liquid Ammonia / Ammonium Thiocyanate Solvent System to Form High Performance Fibers and Films
- *손태원 (한국과학기술원)=Mesomorphic Polyblend Fibers(방향족 폴리아미드)
- *양재건 (단국대학교공과대학)=Silicon Carbide 섬유 제조에 관한 연구

산업기술 I분과

(기 계)

좌장 : 이억섭 (인하대학교 공과대학)
 강철희 (Univ. of Colorado)
 윤경우 (Copeland Corp.)
 김영상 (Hoechst)
 유홍선 (GEC)

- *김성권(Univ. of Minnnesota, U. S. A.)=Design and Analysis of the Statically-Balanced Direct Drive Arm with a Four Bar Linkage
- *유정주 (Univ. of Maryland, U. S. A.)=Ki-

nematic Mode Control in the Finite Element Modelling of Thin Shells

- *강철희(Univ. of Colorado, U. S. A.)=Visual Sensors for Robot Applications
- *오재응(한양대학교공과대학)=A Study of CAD for Extension of Sweet Spot of the Tennis Racket
- *이건우(서울대학교공과대학)=Computer Aided Design of Riser and Gating System for Casting Processes
- *박병근(General Motors, U. S. A.)=Effects of Press Fits on Bearing Clearance Using the Finite Element Method
- *염영일(The Catholic Univ. of America, U. S. A.)=The Kinematic Spaces of Planar n-R Open-Loop System with Rotating Base
- *박면웅(Univ. of Manchester, U. K.)=Integration of Process Planning into CAD using IGES Data Exchange Standard
- *정재현(한국해양대학)=금형가공의 자동화에 관한 연구
- *유태우(MIT, U. S. A.)=Particle Sizing and Spray Analysis with a Laser Diffraction Analyzer
- *박종수(Morgantown Energy & Tech. Center, U. S. A.)=Numerical Modeling on Combustion of Korean Anthracite Briquette (Yontan)
- *김광선(Gibbs & Hill Inc., U. S. A.)=Study of Thermal Radiation Heat Transfer Effects on Solidification of Finite Concentric Cylindrical Medium-Enthalpy Model & P-1 Approximation
- *차진영(Philips ECG Inc., U. S. A.)=Axisymmetric Non-Fourier Temperatures in Cylindrically Bounded Domains
- *이동호(서울대학교공과대학)=스파이크가 달린 끝이 무딘 초음속 비행체 주위의 압축성 유동장해석
- *김수영(TU Berlin, W. Germany)=Minimization of Ship Viscous Resistance under Design Constraints
- *김용철(한국기계연구소)=A Theoretical and Ex-

- perimental Study on the Dynamic Behavior of a Marine Riser
- *김재승(한국기계연구소)=직사각형판의 음향 임피던스
 - *김재금(Univ.-GHS-Essen, W. Germany)=전기자동차의 전지냉각과 난방의 효율개선 문제
 - *정인석(서울대학교공과대학)=대형 분출염 연소방식의 연소특성과 NOx 배출에 관한 연구
 - *김종보(인하대학교공과대학)=The Role of Injector Design on the Operational Performance of Spray column Direct Contact Heat Exchangers
 - *유홍선(GEC Turbine Generators Ltd., U. K.)=Viscous-Inviscid Matching Using Embedded Navier-Stokes Equations
 - *김종우(TU Berlin, W. Germany)=Part Load Performance of the Intercooled Two-Shaft Gas Turbine with Power Output at Constant Speed on the High-Pressure Shaft
 - *김영상(Hoechst, W. Germany)=독일의 에너지 자원 문제와 석탄 가스화를 이용한 전력과 수증기 생산의 열병합공정의 경제성 (어느 대형화학 회사 경우)
 - *송재익(Sophia Univ., Japan)=The Effect of Humidity in a Mixture on Combustion
 - *서재진(Gilbert / commonwealth, Inc., U. S. A.)=Developments of Required Response Spectrums at Device Mounting Locations of a Control Panel
 - *김광수(Penn. State Univ., U. S. A.)=The Effect of Transverse Crack on the Curvature of Unsymmetric [0/90] Laminate
 - *윤경우(Copeland Corp., U. S. A.)=Methodology of Evaluating Compressor Reliability
 - *김유철(日本大阪大學)=Distributions of Three-Dimensional Welding Residual Stresses and Plastic Strains and Their Production Mechanisms
 - *신찬익(Nagasaki Inst. of Applied Science, Japan)=Simulation of the Ship Motion with Transient Effects of Shipping Water
 - *양민양(한국과학기술원)=Toughening of Ceramics Through Development of Alumina-Based Cemented Oxide
 - *이억섭(인하대학교공과대학)=Effects of Non-Singular Stress Terms and Birefringent Coefficient on Caustics under Various Fracture Mode Loadings
 - *최선호(영남대학교공과대학)=Anisotropic Material의 광탄성 실험법 개발에 관한 연구
 - *김용환(Univ. of Warwick, U. K.)=Chip Formation, Cutting Forces and Surface Integrity when Machining PVC
 - *권재도(Yokohama Nat. Univ., Japan)=Fatigue Life Prediction of a Steel in Long Service with Statistical Consideration
- (화 공)
- 좌 장 : 강석호(영남대학교 공과대학)
 - 이철수(고려대학교 공과대학)
 - 조병권(General Motors)
 - 최규용(Univ. of Maryland)
 - 김남균(Michigan Tech. Univ.)
 - *서용석(Univ. of Texas, U. S. A.)=Computational Analysis of Annular Die Swelling and a Film Blowing Process
 - *상희선(日本京都大學)=Radiation-Conduction Property of Ceramic Fibrous Thermal Insulation (Part 1 : Theoretical Study)
 - *상희선(日本京都大學)=Radiation-conduction Property of Ceramic Fibrous Thermal Insulation (Part 2 : Experimental Study)
 - *주명철(IBM, U. S. A.)=Dendritic Crystallization in Binary Polymeric Melts
 - *최규용(Univ. of Maryland, U. S. A.)=Free Radical Polymerization Reaction Engineering with Multifunctional Initiators
 - *한병준(Columbia Univ., U. S. A.)=Thermal Resistance of Wall Cavities Containing Reflective Insulation
 - *한병준(Columbia Univ., U. S. A.)=Mechanical

- Property Determination for Supported Polymer Films Using Double Bending Beams
- *최경주(Feetguard, Inc., A Cummins Co., U. S. A.)
=Effect of Process Variables on Strength Properties of Melt Blown Nonwoven Webs
- *정석진(경희대학교공과대학)=Characterization of Acid Properties of Silica Supported WO_3 and MoO_3 Catalysts Using a L. T. O. C. (Low Temperature Selective O_2 Chemisorption) Technique and NH_3 Adsorption
- *강석호(영남대학교공과대학)=Pressure Swing Adsorption에 의한 CO/H_2 혼합물의 분리
- *유용호(한국과학기술원)=Phase Holdups and Liquid-Liquid Extraction in Three Phase Fluidized Beds
- *최정수(Air Products & Chemicals Inc., U. S. A.)
=Membrane/Cryogenic Hybrid Systems for Gas Separations
- *석대민(Univ., of Cincinnati, U. S. A.)=Studies on Permeability of High Temperature Resistant Silicone Polymer-Vycor Glass Membrane
- *최청승(서강대학교이공대학)=유동층결정화기에서 $(NH_4)_2-NH_4NO_3-H_2O$ 계에 대한 용질의 조성이 $(NH_4)_2 SO_4$ 의 결정화특성에 미치는 영향
- *전영중(Auburn Univ., U. S. A.)=On-Line Product Recovery by Membrane-Assisted Extraction Acetone-Butanol Fermentation
- *이태웅(한국과학기술대학)=Regularization법에 의한 유전자의 투과계수 예측
- *최대기(한국과학기술원)=충전탑에서의 액체 분포
- *진경태(한국동력자원연구소)=Coal Liquefaction Using Water
- *김상국(North Carolina State Univ., U. S. A.)=Calculation of Electrostatic Forces Between Charged Surfaces in Ionic Solutions
- *송민규(Drexel Univ., U. S. A.)=Electrical Characterization of RF Plasma Reactor for Dry Etching Application
- *박동화(日本東京工業大學)=Particle Heating by a Thermal Plasma flow in a Tube
- *옥명준(Amoco Production Co, U. S. A.)=Fibrous Filtration in Presence of Electric Fields
- *김호동(고려대학교공과대학)=혼합용매-전해 질계의 열역학적 특성
- *김중연(Drexel Univ., U. S. A.)=Microprobes for Studying Microenvironmental Condition in the Immobilized Cells Systems
- *노수홍(Zenon Evironmental Inc., U. S. A.)=Development of an Noble Biomass Immobilization Technique for Separation Uranium
- *이은규(Miles Lab. Inc., U. S. A.)=Development of an Economical Precess for Direct Separation of Industrial Enzymes from Permentation Broth
- *김남균(Michigan Technological Univ., U. S. A.)=Implementation of Digital Decoupler for an Interactiong Mixer System
- *김남균(Michigan Technological Univ., U. S. A.)=Effective Control of an Industrial Rotary Kiln : From the Safety Standpoint
- *이진수(Union Carbide Corp., U. S. A.)=Parlyene, The Effective Conformal Coatings for Physical and Electrical Protection
- *이장한(Union Carbide Corp., U. S. A.)=Linear Low Density Polyethylene : Technology of Market Trend
- *김종득(한국과학기술원)=초음파 파쇄 라이포솜의 안정도
- *조병권(General Motors, U. S. A.)=Performance of Pt/ Al_2O_3 Catalysts in Automobile Engine Exhaust with Oscillatory Air/Fuel Ratio

산업기술 II분과

- (건축) 좌장 : 박돈서(아주대학교 공과대학)
- *최재필(Georgia Institute of Technology, U. S. A.)
=Modernization and Its Impacts on the Internal Spatial Organization of the Traditional Korean House

- *임혜지(Univ. Karlsruhe, W. Germany)=전통 건축물의 밀집지역에서의 현대 건축물의 조화문제 -Karlsruhe 도시역사 박물관을 중심으로-
- *전영일(Univ. of Strathclyde, U. K.)=Working Memory Aide for the Designers(WOMAD) : A Design Experience Support System
- *최창근(한국과학기술원)=건물구조의 일관된 설계를 위한 전문가 시스템
- *문현주(PLP Freie Landschaft, BDLA W. Germany)=가로변 조경설계에 따른 교통 안전도와 주거환경의 개선
- *허영록(Univ. Kassel, W. Germany)=Autoverkehr 2000-am Beispiel der Bundesre publik Deutschland
- *김한수(日本大阪大學)=Comparison of Facilities Original Units in Cities between Korea and Japan-Study on Supply of Community Facilities in New Towns
- *이상덕(Univ. Stuttgart W. Germany)=Diaphragm Wall 주변에 위치한 단독기초의 지지력 계산에 관한 연구
- *김우근(日本大阪大學)=A Study on Ventilation Requirement for Body Odour Control
- *함진식(日本大阪大學)=A Study on Accuracy of Multi-room Ventilation Rate Measured by Tracer-gas Method
- *허창구(日本内外建設技術콘설탄트)=풍화중 산정시의 기준풍속치와 속도압치에 관한 고찰
- *이경희(연세대학교공과대학)=자연형 태양열 조립식주택 개발연구
- *이종호(한국동력자원연구소)=건물에서의 구조집열 시스템 적용

(토 목)

좌장 : 김상규(동국대학교 공과대학)
 김창호(Univ. of Illinois)
 신구철(Univ. of Stuttgart)

- *우효섭(Univ. of Cincinnati, U. S. A.)=Re-

- search Trends in Sedimentation
- *유동훈(Univ. of Liverpool, U. K.)=Mathematical Modelling of Short Water Waves in Irregular Topography
- *정동양(TU Berlin, W. Germany)=River Meandering
- *김가야(日本大阪大學)=A Study of the Behaviors of Beach Fill On the Artificial Nourishment and Constructed Beach
- *허재령(日本大阪大學)=A Three-Dimensional Simulation Model for River Plume
- *조원철(연세대학교공과대학)=지하수 흐름 해석을 위한 수치모형 개발
- *허영(Univ. Bochum, W. Germany)=Application of the Boundary Element Method (BEM) in Investigation of the Soil-Structure Interaction Problem
- *이인근(The City Univ. of London, U. K.)=Drained Triaxial Compression Tests on Compacted Decomposed Granite Soil from Korea
- *이영휘(한국건설기술연구원)=Large Triaxial Testing for Rockfill
- *하형록(Walker Parking Consultants, U. S. A.)=Multi-Level Open Parking Structures : Untopped Precast / Prestressed Concrete Double Tee System
- *김용석(Univ. of Texas, U. S. A.)=Dynamic Response of Structures on the Flexible Foundation
- *구민세(HWTH Aachen, W. Germany)=지진하중 하에서의 철골 구조물의 특성
- *윤정방(한국과학기술원)=Random 풍하중에 대한 현수교의 기하학적 비선형 거동해석
- *조효남(육군사관학교)=Reliability-Based Design Code Calibration for Reinforced Concrete
- *이강원(Univ. of Rhode Island., U. S. A.)=Framework for a Rational Asphalt Mix Design to Mitigate Pavement Failures
- *김창호(Univ. of Illinois, U. S. A.)=A National Transportation Planning Model : A Case of Korea
- *김홍상(Univ. Karlsruhe, W. Germany)=한국과 서독간의 상이한 도로교통 안전에 관한 비교 연구

구

- *오진영(U. S. A.)=Estimation of Design Hourly Volume from Seasonal Traffic Counts
- *이태식(Univ. of Wisconsin, U. S. A.)=Bidding Strategy Models in American Construction Management- a Re-examination of a Controversy

(환 경)

좌장 : 정재기 (대한환경공학회장, 인하대학교 공과대학)
강신조 (McNamee, poter & Soeley)

- *김현욱(West Virginia Univ., U. S. A.)=Particle Size Specific Mineralogy of Airborne Coal Mine Dust
- *강신조(McNamee, Porter & Seeley, U. S. A.)=Nutrient Removal and Recovery from Municipal Wastewater Effluent Using Selective Ion Exchange
- *김영준(Aerosol Science Lab., U. S. A.)=Quasi Real-Time Measurement of Ambient Particulate Matter with a Beta Gauge
- *정문섭(Los Angeles County Sanitation Districts, U. S. A.)=Energy Recovery from Landfill Gas at Puente Hills Landfill, Los Angeles, California
- *신구철(Univ. Stuttgart, W. Germany)=독일의 폐기물 자원화
- *하성룡(日本大阪大學)=Study on Kinematic Model for Storm Runoff on Non-Point Source Pollution Load
- *김환기(전북대학교공과대학)=생물학적 유동층을 이용한 폐수처리에 있어서의 침층포 기장치에 의한 산소전달 시스템
- *조광명(인하대학교공과대학)=충전상 미생물막 공법에 의한 산성 및 알카리성 폐수의 처리

(에 너 지)

좌장 : 김효근 (Univ. of Rochester)

- *김효근(Univ. of Rochester, U. S. A.)=Ap-

plications of Laser Generated X-Ray Source

- *김효근(Univ. of Rochester, U. S. A.)=Recent Progress in Laset Fusion
- *이명찬(North Carolina State Univ., U. S. A.)=A Model for Detector Response Function in Neutron Depth Profiling
- *박종수(Morgantown Energy Technology Center, U. S. A.)=Turbulent Heat TRansfer in Hydrodynamic and Thermal Entrance Region of Rectangulat Channels
- *김성중(Univ. Essen, W. Germany)=석탄 화력발전소의 연소기술 개발과 결과분석
- *김창효(서울대학교공과대학)=경수로의 공간의존적 해적 동특성
- *박이동(성균관대학교공과대학)=태양열 직접 흡수식 수열판상을 유동하는 물의 막두께에 관한 실험적 연구

(산 업 기 반)

좌장 : 이주성 (한양대학교 공과대학)

- *장지원(UniO. of Minnesota, U. S. A.)=Flux Composition Effects on Low Alloy Microstructure of Submerged-Arc Welding
- *박영조(한국기계연구소)=보강판 구조물의 파넬의 용접변형에 관한 연구
- *김선호(Pennsylvania State Univ., U. S. A.)=Simplifying the Least Cost Tolerance Problem by Pseudo-Boolean Programming
- *이의재(IBM Corp., U. S. A.)=Plasma Assisted Vauum Deposition for Protective Metallic Films
- *박종진(Battelle Columbus, U. S. A.)=Analysis on practical Metal Forming Processes by Finite Element Method
- *윤경석(한국과학기술원)=산화코발트 전극의 양극산소 발생에 관한 연구

과학기술 진흥창달