

**Graduate School for International Development  
and Cooperation, Hiroshima University**

# IDEC NEWS LETTER

広島大学大学院国際協力研究科

**第4回ホームカミングデー企画  
「低炭素社会を設計する教育研究セミナー」を開催**  
Seminar on "Research and Education for Designing  
A Low Carbon World" as an event of the 4th Home  
Coming Day

開発技術講座 藤原 章正

Development Technology  
FUJIWARA, Akimasa

国際協力研究科 (IDEC) は第4回ホームカミングデー企画として「低炭素社会を設計する教育研究セミナー」を、平成22年11月6日に IDEC 大会議室で開催した。参加者は退職教員、修了生、教職員、学生を含め合計55名であった。講演者は元広島大学教員の日下部治教授 (現東京工業大学)、現 IDEC 教員の金子慎治教授、IDEC 修了生の東香織氏 (現国際協力機構) の3名であった。低炭素社会を共通のテーマに、研究科の過去・現在・将来の中心人物から話題提供をいただく企画であった。

池田研究科長の挨拶に続いて、まず1994年当時、IDECの創設にご尽力いただいた日下部教授が招待講演「回顧と期待」を行った。講演では、IDEC 設立時の背景と研究科への期待、科学技術の発展と国際協力の段階、今後の環境対策の展望について、客観的な分析に基づいた明察をいただいた。続いて、IDEC の現任教員を代表して開発政策講座の金子教授が、「低炭素社会設計する国際人材育成」と題して、現在 IDEC が実施している国際環境リーダー育成プログラムの紹介と、国際環境協力の実践的研究の報告を行った。さらに、修了生を代表して JICA 経済基盤開発部の東氏が「低炭素社会に向けた国際協力」と題して、JICA が行っている事業紹介を通じて地球温暖化に関する国際協力の基本コンセプトの紹介を行った。

最後に、フロアからの質疑応答を行う中で、今後の IDEC の学際的教育研究の進むべき方向性について活発な意見交換がなされた。とりわけ IDEC 設立の1994年から16年が経過し、世代交替が進んだ IDEC にとって、日下部教授から提案いただいた研究科の将来ビジョンは「原点回帰」を再考する鮮明なメッセージとなった。

IDEC organized the seminar on "Research and Education for Designing A Low Carbon World" as an event of the 4th Home Coming Day on November 6, 2010 at the Large

Conference room of IDEC. The number of participants counted totally 55 including the professors emeriti, the alumni of IDEC, the former and current professors and staff members, and IDEC students. The speakers consisted of three key figures in the past, at present and in the future of IDEC: Professor Osamu Kusakabe (Tokyo Institute of Technology and the former professor of Hiroshima Univ.), Professor Shinji Kaneko (a current professor of IDEC) and Ms. Kaori Higashi (JICA and an alumna of IDEC). The international cooperation toward a low carbon world was a topic common to all of them.

After the opening address by Prof. Ikeda, the dean of IDEC, Prof. Kusakabe who is a contributor of IDEC establishment in 1994 gave us the invited lecture entitled "Reminiscence and expectation". He discerned based on his objective analysis in terms of its background and expectation of IDEC, the development of science and technology and stages of international cooperation, and the perspective upon environmental policies. Then on behalf of the present IDEC professors, Prof. Kaneko from the development policy department introduced the ongoing "Global environmental leaders education program for designing a low-carbon society" at IDEC and he also reported his empirical and practical studies. Furthermore Ms. Higashi of the department of economic infrastructure development, JICA as the representative of IDEC alumni presented their activities and a basic concept of international cooperation on global warming issues.



日下部教授による招待講演  
Invited Speech by Prof. KUSAKABE

At the final session joined by the audiences, there were various and insightful discussions about our future course of interdisciplinary education and research in IDEC. Especially, some suggestions concerning the future vision of IDEC left by Prof. Kusakabe were distinct messages and incentives for the new generation of IDEC to reconsider “a revolution” 16 years after its foundation in 1994.



パネルディスカッション

Panel Discussion

### バングラデシュ理数科 プロジェクトフェーズ2はじまる!

The Second Phase of the Science and Mathematics  
Program in Bangladesh Has Been Launched!

教育文化開発講座 馬場 卓也

Educational Development and Cultural and Regional Studies

BABA, Takuya

2004年10月に広島大学が株式会社パデコと共同受託したJICA プロジェクト「バングラデシュ国小学校理数科教育強化計画」フェーズ1は、2010年3月に終了した。その最大の成果は、教育パッケージを開発したことと教育の質に対する意識を高めたことである。教育パッケージは、バングラデシュの算数と理科において、比較的難しいトピックに関して授業案や教材、評価シートをひとまとめにし、具体的に授業改善のためのヒントを提供しようというものである。国立初等教育アカデミー（NAPE）の専門官や協力校教員と共に開発した。2007年11月には、11の援助機関が参加する初等教育サブセクタープログラム（PEDPII）の中でその成果が認められ、全体資金（プールファンド）の一部を用いて全国の小学校や教員研修関係施設に配布された。

2010年11月より再始動したフェーズ2では、この教育パッケージを効果的に使用し、学校で授業が改善されることを目指して活動する予定である。そのため全国に57校ある初等教員養成校を9つのクラスターに分けて、各初等教員養成校はその地域の教員支援ネットワークの中心として教員研修を実施したり、既存の現職教員研修の改善案を提案した

りする。また教育パッケージの開発の実績より、国レベルでのカリキュラム開発に対する支援も求められている。今後、留学生や研修員の受け入れ、共同研究の実施などを通して、大学が持つ教育研究機能を最大限に活用し、より効果の上がる国際協力プロジェクトを行っていきたいと思う。

JICA's technical cooperation “Strengthening Primary Teacher Training on Science and Mathematics in Bangladesh” has implemented jointly by IDEC, Hiroshima University and PADECO Co., Ltd. since October 2004. The first phase of this project was completed in March 2010. The best outcomes of the project are to have developed Teaching Packages (TPs) and to have raised awareness of the quality of education. TP means a compilation of lesson plans, teaching-learning materials, and evaluation sheets on the topics of math and science that teachers find difficult to teach. They are to provide teachers with some hints for lesson improvement. We developed these TPs together with specialists of NAPE (National Academy for Primary Education) as well as FTS (Field Testing School) teachers. Since TPs have received high recognition in November 2007 in the framework of sub-sector program (PEDP-II) supported by 11 development partners, TPs were disseminated to the government primary schools and those teacher training institutes across the country, by some of the whole program funds (pool funds).

In the second phase which has restarted in November 2010, we plan to work for effective utilization of TPs and improvement of the lesson. Therefore we will be involved in developing the model of teacher support network and conducting various type of teacher training by grouping 57 Primary Teacher Training Institutes (PTIs) throughout the country into 9 clusters. Also we are requested to support revision of curriculum at the nation level based on experience in TP development. In the future making the best use of university's educational and research functions, we would like to have international cooperation projects more effectively through accepting international students and researchers, and implementing joint research



初等教員養成校における研修風景

Teacher Training at a Primary Teacher Training Institute



—低炭素社会を設計する国際環境リーダー育成プログラム—  
 2010年度サマーコース「低炭素社会における発展：気候変動政策計画・実施のための参加型アプローチ」を開催  
 — GELs Program — Summer Course 2010  
 “DEVELOPMENT WITHIN A LOW CARBON WORLD:  
 Participatory Approaches in Planning and Implementing  
 Climate Change Policies”

GELs プログラム 金子 慎治・西谷 公孝

GELs Program

KANEKO, Shinji and NISHITANI, Kimitaka

「低炭素社会を設計する国際環境リーダー育成 (GELs)」プログラムでは、インドネシア・ボゴール農業大学 (IPB) との共催で、2010年度サマーコース「低炭素社会における発展：気候変動政策計画・実施のための参加型アプローチ」を、2010年8月5～13日にボゴール農業大学・SEAMEO BIOTROP キャンパスで開催しました。前年に引き続き第2回目の開催となる今回のサマーコースでは、途上国における気候変動に対処するための効果的なツールである「参加型アプローチ」と、その適用可能なケースとしての「森林管理」と「都市における気候変動政策の計画・実施」をテーマに選びました。GELs 学生をはじめとして、IDEC 修了生、IPB 学生、インドネシア政府関係者ら総勢40名 (11カ国) の参加がありました。サマーコース参加者は、IDEC、IPB 教員および様々な国際機関や政府機関より招聘した専門家による講義を受講し学術的、実務的知見を身につけた上で、グループワークとしてインドネシアモデル地域を対象としたケーススタディを実施することによって、「参加型アプローチ」についての応用力向上を図りました。講義、グループワークを通して活発な質疑応答や議論が繰り広げられ、参加者からは非常に有意義なサマーコースとの評価がありました。また、それぞれのケーススタディは、各グループによってインドネシアのケースに特化した参加型アプローチのガイドラインとしてまとめられており、IDEC ジャーナル特集号への掲載が予定されています。

The Global Environmental Leaders Education Program for Designing a Low-Carbon World (GELs program) were conducted the second summer course 2010 entitled “DEVELOPMENT WITHIN A LOW CARBON WORLD: Participatory Approaches in Planning and Implementing Climate Change Policies”, in collaboration with Master of Science in Information Technology for Natural Resources Management (M.Sc. in IT for NRM), Bogor Agricultural University (IPB) at SEAMEO BIOTROP Campus, IPB, Indonesia from August 5 to 13, 2010. This summer course focused on the forestry management and planning and implementation of climate policies for cities as cases for the potential application of participatory approaches (PAs), which are known as an effective tool in coping with the challenges of climate change in developing countries. There were forty participants including IDEC students in the GELs program, IDEC alumni, IPB

students and Indonesia’s government officers. These participants were satisfied with this summer course, as the topic is timely and the lectures were effective and relevant for learning PAs. The country-specific guidelines on PAs for Indonesia case of forestry management and climate change policies for cities formulated by the participants during group works will be published as a special issue of IDEC Journal.



サマーコースの参加者  
 Participants for Summer Course 2010

— 同窓生からのメッセージ —  
 「IDEC ファミリー」にエールを送ります！  
 Cheers to “IDEC Family”  
 — Message from Alumna of IDEC —

JICA 経済基盤開発部 東 香織  
 (2007年3月開発技術コース修了)

Economic Infrastructure Department, JICA HIGASHI, Kaori  
 (Graduated from Development of Technology Course in Mar, 2007)

2010年11月6日の第4回ホームカミングデー企画「低炭素社会を設計する教育研究セミナー」に参加し、低炭素社会構築に向けた国際協力として、JICA が実施している事業について発表を行いました。気候変動対策の一つとして挙げられる低炭素社会の構築は、一つの国や地域で、また、ひとつの課題として解決することは困難です。そのため、さまざまな国や地域の協力や複合的なアプローチをとることが必要であり、今後、課題解決に向けたネットワークやプラットフォーム作りの重要性がさらに増しています。このような中、IDEC には、さまざまな国から学生が集い、それぞれの問題意識をぶつけながら議論をする場が自然と形成されており、また世界各国に卒業生ネットワークがひろがっており、国際課題解決のための高いポテンシャルを持つ集団であることをあらためて実感しました。私自身、学生時代に抱いた夢を思い出して、今の自分を見つめなおす、原点に戻る、私にとってそんな蘇りの旅となりました。また、多くの IDEC 修了生にとっても、IDEC は知の故郷、

特別な「家」であることと思います。「家」につながるネットワークが世界に広がる IDEC の皆でより豊かな世界づくりができたらと思います。最後に、私たち卒業生の「家」を守り発展させていただいている教職員の方々、現役学生の方々に心から感謝するとともに、IDEC ファミリーにエールを送ります。

In the seminar on “Research and Education for Designing A Low Carbon World” as an event of the 4th Home Coming Day on November, 2010, I made a presentation on several projects which are jointly implemented by partner countries and Japan International Cooperation Agency (JICA) for the creation of low carbon society. It is difficult for a single country or region to solve global issues such as climate change. Accordingly, comprehensive approaches and collaboration among countries and regions are required toward a low carbon society, and the importance of the network and the platform for tackling these issues will be more and more addressed. In this context, I had a real feeling that IDEC has a great potential because students from various countries study and discuss together, and the network for graduate students has been expanding all over the world.

As IDEC is the special ‘home’ or “starting point” for me as well as IDEC graduates, I hope we work for a better future together. Finally, I would like to express my sincere appreciation to professors, staff and students who maintain and develop our ‘home’, and cheers to “IDEC family”!



セミナー後のレセプション  
Reception after the Seminar

(プラットフォーム)である。研究のモットーは『人類のため、社会のため、地球のため』としている。それを達成するため、「多様性の中から普遍性」をみいだすように努めている。学生が取り上げる研究テーマ—貧困、食糧確保、環境、土地、持続的発展、地域平和等の各問題—には現地調査による実証的研究が中心だが、研究室では事例研究に止まらぬよう訓練し、国際的感覚をもって高度な判断できる人材を養成することを目的としている。現在、インド、インドネシア、ガーナ、カンボジア、キルギス、中国、日本、ネパール、ボツワナの学生が各国の最重要な課題について研究を行っている。上記テーマにおけるコミュニティの役割は最近各学生らを取り上げる中心的研究課題である。

卒業生は国際食糧農業機構や国際協力機構のような国際機関、大学、非政府機関などに勤めている。彼らは自分らの経験を後輩らと共有するため、研究室が主催する「フォーラム開発と文化変容」研究会で発表したりする。

また、昼休憩のスポーツやゼミ後の飲み会が研究室の親睦の場となっている。



Diversity is the identity of Maharjan Seminar, which provides daboo (platform) for the students to share knowledge on diverse issues of developing countries, such as, poverty, food security, sustainable development, agricultural and rural development, land, environment and reproductive health and issues of regional peace, through the perspectives of Rural Economics, Regional Studies and International Cooperation. The focal point of the research is, “for the mankind, for the society, for the mother earth”, and look for universality among the diversity of different research work. Role of community in such research is one of the important issues being researched by the students in the seminar. Research of each student is based on the preliminary findings from field studies, discussed in the international context. This would help students to understand the local problems more vividly and provide them unique opportunity to broaden their knowledge of diverse issues from the international perspectives. Currently there are students from Botswana, Cambodia, China, Ghana, India, Indonesia, Japan, Kyrgyzstan, and Nepal.

Most of its alumni are engaged in various walks of life ranging from international organizations like FAO, JICA,

## 研究室訪問

## Laboratory Series

### マハラジャン研究室

### Maharjan Seminar: In search of universality among the diversity

教育文化開発講座 マハラジャン・ケシャブ・ラル

Educational Development and Cultural and Regional Studies

MAHARAJAN Keshav Lall

マハラジャン研究室は、発展途上国の諸問題について農村経済学、地域研究、国際協力の観点から研究を行うグループ

NGOs to the national universities in their respective countries. Maharjan seminar regularly conducts study seminar "Forum for Development and Cultural Change", in which interaction with alumni is also arranged to share their professional competency and experiences with the students, in a way to provide a role model. Sports during the day breaks and evening meal gatherings are held to help strengthen the intimacy between the seminar participants.



**第6回 IDEC 同窓会総会開催**  
**6th General Assembly of IDEC Alumni Association**

IDEC 同窓会  
IDEC Alumni Association

去る2010年11月6日（土）、第3回広島大学ホームカミングデーの機会に合わせて第6回 IDEC 同窓会総会を開催いたしました。当日は47名の同窓生の皆様（委任状提出者含む）に議事にご参加いただきました。

当日は2009年～2010年の活動報告及び会計報告、会則の一部改正を行いました。また今後2年間の同窓会役員を別表のように決定しました。更に今後の同窓会活動の方向性に関しても活発な議論を行いました。同時に同窓会を会員の皆様で活用していくための、同窓生間のネットワーク構築の在り方についても、更なる改善の必要性が指摘されております。同窓会としては、IDEC の今後の発展のためにも貢献していきたいと考えておりますので、引き続き、ご意見・提言を頂きますと幸いです。

尚、同窓会の情報は IDEC ニュースレターのほかに、IDEC ホームページ内でも随時発信していく予定です。ご参照いただければ幸いです。

6th General Assembly of IDEC Alumni Association was held on Nov. 6, 2010 with the occasion of Home-Coming Day of Hiroshima University. The 47 members of our association participated in the meeting (including presence by proxy). The agenda was the report of the activities (2009-2010), the revisions on the regulation of the association, election of the trustee and inspectors (please see the list below). In addition to the active discussion on the future pathways of the direction of the association, participants pointed out the importance of maintaining networks among the alumni members and IDEC. We would like to receive your suggestions and comments to enable the Alumni Association to be

actively utilized and contribute for upgrading the mutual networks among members and IDEC.

The updated information on the Alumni Association will be provided in the IDEC website. Thank you very much for your understanding and cooperation.

**2011-12 IDEC 同窓会役員**  
**Trustees and Inspectors of IDEC Alumni Association for 2011 and 2012**

名誉会長 Honorary President	池田 秀雄 IKEDA Hideo, IDEC 研究科長, Dean of IDEC
会長 President	馬場 卓也 BABA Takuya (教育文化 EC:96)
副会長 Vice- Presidents	高橋 与志 TAKAHASHI Yoshi (開発科学 DS:94) 桑山 尚司 KUWAYAMA Hisashi (教育文化 EC:98) 渡邊 園子 WATANABE Sonoko (開発科学 DS:97)
理事 Trustee	馬場 卓也 BABA Takuya 力石 真 CHIKARAISHI Makoto (開発科学 DS:05) 川野 徳幸 KAWANO Noriyuki (開発科学 DS:95) 小松 悟 KOMATSU Satoru (開発科学 DS:04) 近藤 俊明 KONDO Toshiaki (開発科学 DS:00) 熊野 敬子 KUMANO Takako (教育文化 EC:98) 桑山 尚司 KUWAYAMA Hisashi 榎本 伸悦 MASAMOTO Shinetsu (教育文化 EC:00) 中和 (澁谷) 渚 SHIBUYA (NAKAWA) Nagisa (教育文化 EC:05) Sudarmanto Budi NUGROHO (開発科学 DS:04) 高橋 与志 TAKAHASHI Yoshi 渡邊 園子 WATANABE Sonoko
監事 Inspectors	平野裕次 HIRANO Yuji (開発科学 DS:94) 國清 (笛吹) 紀子 KUNIKIYO (USUI) Noriko (教育文化 EC:98)

注：数字は入学年を示す。

Note: DC stands for Division of Development Science, EC for Division of Educational Development and Cultural and Regional Studies. Numerical numbers indicate the year of enrollment.



IDEC アジアセミナー要旨  
Report on IDEC Asia Seminars

### The 196th IDEC Asia Seminar

**講師 Speaker:**

Dr. Junichi Fujino (Senior Researcher, Climate Policy Assessment Research Section, Center for Global Environment Research, National Institute for Environmental Studies (NIES), Japan)

**演題 Title:**

Building Low-Carbon Society (LCS) in Asia: Japanese lessons on modeling approaches for decision making

**日時 Date: July 20, 2010**

Japanese government set a target to cut 25% of GHG (Greenhouse Gas) by 2020 and 80% by 2050. Dr. Fujino is leading to developing Japan Low-Carbon Society (LCS) scenarios that reduce GHG emissions around 60-80% by 2050 in Japan and structuring “a dozen actions” to realize technical reduction options. He is one of modelers to provide simulation results to achieve 25% GHG emissions reduction by 2020 compared as 1990 level for the Japanese government. He explained the latest information on Japanese LCS scenarios and policies and its implementation on Asian LCS scenarios.

(Coordinator: Shinji Kaneko)

### The 197th IDEC Asia Seminar

**講師 Speaker:**

Dr. Hayder M. Abdul-Hameed (Environmental Consultant / Lecturer, Environmental Engineering Department, College of Engineering, University of Baghdad Visiting Researcher, IDEC, Hiroshima University)

**演題 Title:**

The Environmental Situation in Iraq; Demands and Challenges

**日時 Date: July 5, 2010**

Dr Hayder M. Abdul-Hameed discussed the environmental and ecological systems that were collapsed and negatively affected due to the wars, conflicts and continuous unrest in Iraq. He emphasized on what would be the required steps to promote, upgrade and improve the environmental status in Iraq through the mutual interaction with the Japanese expertise in the environment field to get together a good, common and reliable understanding for the problems and the solutions.

(Coordinator: Shinji Kaneko)

### The 198th IDEC Asia Seminar

**講師 Speaker:**

- (1) Prof. Yoshi Takahashi (IDEC, Hiroshima University)
- (2) Prof. Shin-ichi Ishihara (IDEC, Hiroshima University)
- (3) Mr. Masanobu. Matsuyama (IDEC, Hiroshima University)

**演題 Title:**

- (1) Competence Change Required by the Industrial Development
- (2) Recent Strategies on Education by the International Development Organization – Focusing on Learning and Skills
- (3) Curriculum Analysis of Secondary Mathematics and Science in Kenya

**日時 Date: July 28, 2010**

Hiroshima branch of JASID plans to hold a series of seminar whose theme is “Competence and Education required by the Society” The civil society and industrial society requires certain abilities. This was the first seminar which focused on industrial development and mathematics and science education. There were two presentations on competence required by the industry and one by International development organization. The last presentation was on how to realize this in curriculum. We found out some similarities and differences, which would open our next discussion.

(Coordinator Takuya Baba)

### The 199th IDEC Asia Seminar

**講師 Speaker:**

- (1) Shiva Hari Dahal (National Peace Campaign, Nepal);
- (2) Carolina G. Hernandez (Founding President and Chair, Board of Directors Institute for Strategic and Development Studies, Inc., the Philippines);
- (3) S. I. Keethaponcalan (Head of Department, Department of Political Science & Public Policy University of Colombo, Sri Lanka);
- (4) Keokam Kraisoraphong (Assistant Professor, the Faculty of Political Science, Chulalongkorn University Institute of Strategic and International Studies, Thailand);
- (5) Rizal Panggabean (Director, Masters Program in Peace and Conflict Resolution, Gadjah Mada University, Indonesia);
- (6) Eleanor Pavey (ISSAT Training Coordinator, The Geneva Centre for the Democratic Control of Armed Forces, Switzerland);
- (7) Shiam Vidurupola (SSR Expert on UN Roster, Sri Lanka);
- (8) Omar Farouk (Professor, Graduate School of International Studies, Hiroshima City University, Japan);
- (8) Eiko Iwata (Researcher, Research Department, National Institute for Defense Studies Ministry of Defense, Japan)

**演題 Title:**

Peace building and Security Sector Governance in Asia

**日時 Date: August 3-5, 2010**

Experts on security sector governance in Asia from various countries in Southeast Asia and South Asia got together in IDEC to discuss significance and specific feature of security sector governance in Indonesia, Thailand, the Philippines, Timor-Leste, Sri Lanka and Nepal. In the seminar, it was emphasized that the traditional concept of security was being redefined to include not only the security of states but also a clear focus on the public safety and well being of their peoples. With the recognition that security and development are inextricably linked, this has resulted in greater focus and scrutiny of how security and justice are provided in each country. Against this backdrop, the participants of this seminar discussed the challenges of security sector governance in various countries in the region and reviewed emerging understanding of security sector governance from a perspective of Asia.

(Coordinator: Yuji Uesugi)

### The 200th IDEC Asia Seminar

講師 Speaker:

Ph.D Kanokwan Chanchaoenchai (Lecturer, Faculty of Economics, Kasetsart University, Thailand / Visiting Associate Professor, IDEC, Hiroshima University)

演題 Title:

Study on Productivity and Economic Growth in Thailand

日時 Date: July 30, 2010

Ph.D Kanokwan Chanchaoenchai is a young and active researcher on empirical study of economics in Thailand. Especially, she is interested in econometric analysis by using ARCH (Auto Regressive Conditional Heteroskedastic) model. This seminar was the topic of one application of this model to identify factors which caused high productivity and economic growth in Thailand. Her method was more technical and complicated for applying to macroeconomic field, but some students eagerly asked her the implication of her result in the discussion. This seminar was held in the friendly atmosphere entirely.

(Coordinator: Masaru. Ichihashi)

### The 201st IDEC Asia Seminar

講師 Speaker:

Mr Matthew Beck (Institute of Transport and Logistics Studies, University of Sydney, Australia)

演題 Title:

Behavioural Responses to Vehicle Emission's Charging: A Study in Advanced Choice Methodology

日時 Date: July 28, 2010

Mr Matthew Beck is a lecturer in University of Sydney, Australia. He visited IDEC as a young researcher under the GELs program. In this seminar, he presented an

empirical study of the emission charging policy in transport sector. A new type of state preference survey was conducted via the Internet to capture people's preferences for choosing different types of vehicles under different charging scenarios, where a so-called d-efficient design was adopted to reflect the influence of non-orthogonal features related to the trade-offs among factors affecting vehicle type choice behavior (e.g., purchase price, fuel price, engine capacity, seating capacity, fuel efficiency). Furthermore, a generalized mixed logit model was employed to capture the influence of heterogeneity existing in the choice of vehicle type. Such innovative approaches (both survey and modeling methods) could provide more useful insights into the emission charging design, and they could be applicable to other aspects related to low-carbon urban and transportation policies in both developed and developing countries.

(Coordinator: Junyi Zhang)

### The 202th IDEC Asia Seminar

講師 Speaker:

Ph.D Kanokwan Chanchaoenchai (Lecturer, Faculty of Economics, Kasetsart University, Thailand / Visiting Associate Professor, IDEC, Hiroshima University)

演題 Title:

Analysis of Macroeconomic Variables Affecting Stock Return on Thai Stock Exchange Market

日時 Date: September 17, 2010

This seminar was the second round by Ph.D K.Chanchaoenchai, but the contents of her presentation was another application of ARCH model to stock market in Thailand. Basically, this methodology should be more suitable to this kind of field like monetary or financial market, because this market is fluctuating widely in daily trade and it has much data as the record. In the discussion, we were talking about the rationality of using this methodology and the interpretation mainly. This seminar was good opportunity for IDEC students to hear about the usage of Time Series model for economic analysis.

(Coordinator: Masaru Ichihashi)

### The 203rd IDEC Asia Seminar

講師 Speaker:

Dr. Yuji Saruta (National Institute for Educational Policy Research: NIER)

演題 Title:

Background and Issues of OECD Key Competencies

コメンテータ Commentators:

Prof. Yoshi Takahashi (IDEC, Hiroshima University)

Prof. Takuya Baba (IDEC, Hiroshima University)

日時 Date: September 30, 2010

This is the part II of the seminar “Competence and Education required by the Society” . The guest speaker gave a lecture on the OECD key competencies, which have given a foundation to the international assessment, OECD-PISA. He introduced some recent development of education policy in Japan and discussed the connection with PISA studies and later with some foundational ideas of Key competencies. Commentators gave comments from the perspectives of studies of management and developing countries. (Coordinator Kinya Shimizu)

### The 204th IDEC Asia Seminar

日時 Date: September 15, 2010

(1) 講師 Speaker:

Prof. John R. HSU (IDEC Visiting Professor, National San Yat-Sen University, Taiwan)

演題 Title:

Geomorphic Approach for Coastal Management

概要 Summary

Prof. Hsu is famous for the developer of the theory of beach stabilization using zeta-bayed. Bayed beaches in static equilibrium are the only physiographic features that could remain stable without sediment supply in a persistent swell environment. With a continuing trend of erosion to sandy beaches worldwide, a conservative and prudent hypothesis is to consider the scenario of vanishing supply to a beach in the future, for which a parabolic bay shape equation is recommended for devising a countermeasures to mitigate erosive condition. This talk introduced the applicability the equation to a wide range of selected examples of bayed beaches in natural and man-made condition.

(2) 講師 Speaker:

Prof. Saleh PALLU (Dean of Faculty of Engineering, Hasanuddin University, Makassar, Indonesia)

演題 Title:

Development of Engineering Faculty, Hasanuddin University: Center of Technology in Eastern Indonesia

概要 Summary

Hasanuddin University, Makassar, is the key university in east Indonesia. The Enhancement Project of the Faculty of Engineering is ongoing as a joint project of Indonesian yen-loan (*The Directorate General of Higher Education, MONE and South Sulawesi Province Government, Hasanuddin University.*) and JICA's technical support. The project components are (1) Construction of Buildings including Infrastructure Development, (2) Procurement and installation of equipment and furniture, (3) Fellowship and Training Programs. Fellowship: 60 doctors course in several universities in Japan and Indonesia, Training Programs: 36 persons. Prof. Saleh PALLU introduced this project as a Dean of Faculty of

Engineering.

(Coordinator: Takao Yamashita)

### The 205th IDEC Asia Seminar

講師 Speaker:

Mr. Masakazu Ichimura (Chief, Environment and Development Policy Section, Environment and Development Division, United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP))

演題 Title:

East Asia Low Carbon Green Growth Roadmap

日時 Date: October 26, 2010

Dr. Ichimura demonstrated the socio-economic and development challenges in the Asia and Pacific regions, and emphasized on the importance of low carbon growth without compromising the future environmental sustainability. He stressed the low carbon development was the way of attaining economic growth and improvements in the lifestyle simultaneously, and of minimizing the human casualties and economic losses from natural disasters. He also explained the major role and approaches of UNESCAP to integrate the concept of environmentally-friendly and sustainability into the economic policies. Lastly he showed the latest initiatives of UNESCAP that improved the environmental dialogues among governments. (Coordinator: Shinji Kaneko)

### The 206th IDEC Asia Seminar

講師 Speaker:

Dr. Vinay Bhargava (Former Director of International Relations, the World Bank)

演題 Title:

Achieving MDGs: Do We Need More Foreign Aid or Better Foreign Aid?

日時 Date: November 19, 2010

Dr. Vinay made his presentation on Millennium Development Goals (MDGs) concerning its significance, progress so far and prospects by 2015 and beyond. In his discussion, negative impact from global economic crisis was emphasized while more fundamentally the improvement of aid effectiveness is required although observed increase in aid volume should be welcome. The seminar was very timely and many questions were raised from the floor, especially from the student. It was a good opportunity for students to get first hand knowledge from the former officer of the international organization especially in one of the most important issue in international cooperation and development.

(Coordinator: Yoshi Takahashi)

### The 207th IDEC Asia Seminar

講師 Speaker:

Prof. B. Raksaka Mahi (Faculty of Economics, University



of Indonesia / Visiting Professor, IDECS)

**演題 Title:**

The Impact of Fiscal Decentralization on Economic Growth and Welfare in Indonesia

**日時 Date: December 13, 2010**

Prof. Mahi is the leading researcher on fiscal decentralization in Indonesia. In the seminar, he introduced related institutional changes and their consequences in Indonesia and made theoretical discussion on the issue including comparison of several approaches. Then he presented his analytical results that proved the overall positive impact of fiscal decentralization on economic growth and welfare with some reservations. Based on the results, policy recommendations for such as reduction of nuisance local tax regulations are provided. Many Indonesian students as well as students from other countries attended the seminar and they participated in the discussion very actively. (Coordinator: Yoshi Takahashi)

**日時 Date: December 8, 2010**

Two subtitles about ecosystem study were presented in this seminar.

1. To study the effect of global warming on the growth of plants and plant populations throughout their life cycle under a field-like condition, we constructed a Temperature Gradient Chamber (TGC) and CO<sub>2</sub>-Temperature gradient Chamber (CTGC). Also, to evaluate the effects of elevated temperature and CO<sub>2</sub> on the annual C3 and C4 species, *Chenopodium album* (C3) and *Setaria viridis* (C4) were grown in TGE and CTGC.

2. The function of ecosystem would be changed by change of dominant species in community due to climate change. To evaluate change of carbon flux in ecosystem, we developed an automatic open/closing chamber system (AOCC) based on open-flow method and it can use for four seasons even in snowpeak surface. The AOCC well reflected that the marked seasonal and daily soil respiration variations were strongly related to soil temperature. (Coordinator: Kensuke Kawamura)

**The 208th IDECS Asia Seminar**

**講師 Speaker:**

Associate Professor JaeSeok Lee (Konkuk University)

**演題 Title:**

Climate change and development of soil respiration measuring method in various ecosystems

**外部資金等受け入れ状況**

List of Researches funded by External Institutions

**【受託事業】**

研究代表者	研究課題	契約期間	契約金額
池田 秀雄	人材育成支援無償 (JDS) 事業新方式における特別プログラム (ラオス)	平成22年4月1日～平成23年2月28日	2,676,750円
清水 欽也	カンボジア国「理科教育改善計画プロジェクト (第3年次)」	平成22年7月30日～平成23年7月15日	7,179,900円
池田 秀雄	人材育成支援無償 (JDS) 事業新方式における特別プログラム (ベトナム, カンボジア, バングラデシュ, スリランカ)	平成22年8月3日～平成23年2月28日	5,050,660円
池田 秀雄	ガーナ国「現職教員研修運営管理能力強化プロジェクト (第2年次)」	平成22年9月10日～平成23年8月19日	8,059,800円
馬場 卓也	バングラデシュ国「小学校理数科教育強化プロジェクト フェーズ2 (第1年次)」	平成22年11月9日～平成23年9月5日	5,949,300円

**【受託研究】**

研究代表者	研究課題	契約期間	契約金額
金子 慎治	環境経営時代における環境政策と企業行動の関係に関する研究業務	平成22年4月16日～平成23年3月22日	8,998,918円
中越 信和	ダム湖周辺の森林機能と景観生態学的研究	平成22年7月30日～平成23年2月10日	4,998,630円
藤原 章正	聴覚障がい者の公共交通利用を促進する情報提供システムの研究	平成22年10月29日～平成23年3月18日	3,829,350円

## 【共同研究】

研究代表者	研究課題	契約期間	契約金額
藤原 章正	突発的事象時の所要時間予測手法と所要時間信頼性情報提供による利用者交通行動変容の検討	平成22年12月13日～ 平成23年3月31日	2,457,900円
藤原 章正	電気自動車（EV）の地域活用に関する研究	平成22年12月15日～ 平成23年3月31日	2,100,100円

## 【奨学寄附金】

研究者名	講座名	寄附金額	寄付者名
久保田 徹	開発技術	1,000,000円	公益財団法人 トステム建材産業振興財団

### 客員教授・客員研究員の紹介

Visiting Professors & Researchers

[外国人研究員（客員教授） Visiting Professor]

氏名 Name : Benedictus Raksaka Mahi  
ベネディクタス ラクサカ マヒ  
出身 Nationality : インドネシア Indonesia  
所属 Affiliation : インドネシア大学  
University of Indonesia  
滞在期間 Duration : 2010/10/1～2010/12/28

氏名 Name : Chen Jin チェン ジン  
出身 Nationality : 中国 China  
所属 Affiliation : 北京師範大学  
Beijing Normal University  
滞在期間 Duration : 2010/10/1～2010/12/28

氏名 Name : Thakur Indu Shekhar  
タタール インドウ シェハール  
出身 Nationality : インド India  
所属 Affiliation : ジャワハルラル・ネルー大学  
Jawaharlal Nehru University  
滞在期間 Duration : 2011/1/4～2011/3/31

氏名 Name : Almeida Pacca Sergio  
アルメイダ パッカ セルジオ  
出身 Nationality : ブラジル Brazil  
所属 Affiliation : サンパウロ大学  
University of São Paulo  
滞在期間 Duration : 2011/1/4～2011/3/31

### 採用等

New IDEC Staff Members etc

[教員 Academic Staff]

H22.10.1付け

日下部 達哉 准教授  
KUSAKABE, Tatsuya Associate Professor  
教育文化講座 Dept. of Educational Development and  
Cultural and Regional Studies

### 昇任

Promotions

[教員 Academic Staff]

H22.10.1付け  
市橋 勝 教授  
ICHIHASHI, Masaru Professor  
開発政策講座 Dept. of Development Policy

### 担当免

Release from Appointment in IDEC

[教員 Academic Staff]

H22.10.1付け  
小柏 葉子 教授  
OGASHIWA, Yoko Professor  
教育文化講座 Dept. of Educational Development and  
Cultural and Regional Studies  
(社会科学研究科専任へ Graduate School of Social  
Sciences)

### 転出等

Retirement & Transfers etc

[事務職員 Administrative Staff]  
育児休業 Child-Rearing Leave  
H22.10.18付け  
原田 妙子 運営支援グループ員  
HARADA, Taeko General Affairs Group Staff

**入学試験のスケジュール**  
**Entrance Examination Schedule**  
**(平成 23 年 4 月 入学)**  
**(For April 2011 Enrollment)**

1月 4日～1月11日	事前審査受付期間 (対象者のみ)
1月24日～1月28日	願書受付期間
2月16日～2月17日	入学試験
2月24日	合格発表
Jan. 4-11	Application period for preliminary evaluation
Jan. 24-28	Submission of application form
Feb. 16-17	Entrance examination
Feb. 24	Announcement of admission

**修了生の進路**  
**Career Paths after Graduation**

★2010年9月 博士課程後期修了者

**Doctoral Program completed in Sep. 2010**

開発科学専攻	Division of Development Science	11名 (内留学生 9名)	11(including 9 foreign students)
教育文化専攻	Division of Educational Development and Cultural and Regional Studies	0名 (内留学生 0名)	0(including 0 foreign students)
教育・研究・公務	Education, Research, Government	2	2
民間企業	Private Company	1	1
各種団体 / 財団	Auxiliary Organization	0	0
帰国・現職復帰他	Return to home country, etc.	8	8

★2010年9月 博士課程前期修了者

**Master's Program completed in Sep. 2010**

開発科学専攻	Division of Development Science	30名 (内留学生 30名)	30 (including 30 foreign students)
教育文化専攻	Division of Educational Development and Cultural and Regional Studies	18名 (内留学生 15名)	18 (including 15 foreign students)
教員	School Teaching	1	1
民間企業	Private Company	2	2
各種団体 / 財団	Auxiliary Organization	1	1
進学	Proceed to Doctoral Program	7	7
帰国・現職復帰他	Return to home country, etc.	37	37
公務	Public Administration	0	0

**その他の IDEC の動き**  
**(2010年7月～2010年12月)**  
**Other Activities and Events at IDEC**

- JICA プログラムで来日中のバングラデシュ初等大衆教育省次官、ケニア・アフリカ理数科・技術教育センター会長、所長が浅原学長、池田研究科長を表敬訪問。(2010/7/12)
- Courtesy call on President and Dean of IDEC by Secretary, Ministry of Primary and Mass Education, Bangladesh and Chairman & Director of Center for Mathematics and Science and Technology Education in Africa(CEMASTE), Kenya under the JICA's Program. (2010/7/12)
- 韓国国土研究院と部局間交流協定を締結  
韓国国土研究院の孫晁煥 (ソン・キュンファン) 副院長他が IDEC を訪問、韓国国土研究院と部局間交流協定を締結。(2010/7/29)
- IDEC visited by Dr. Sohn Kyung Hwan, Vice-President, the Korea Research Institute for Human Settlements, and cooperative agreement concluded. (2010/7/29)
- GELs 国際ワークショップを開催  
GELs プログラム国際ワークショップ サマーコース2010「DEVELOPMENT WITHIN A LOW CARBON WORLD: Participatory Approaches in Planning and Implementing Climate Change Policies」をボゴール農業大学と共催でボゴール農業大学 SEAMEO BIOTROP キャンパスにて開催。(2010/8/5-8/13)
- GELs International Workshop - Summer Course 2010 was jointly organized with Master of Science in Information Technology for Natural Resources Management, Bogor Agricultural University. The course was conducted at SEAMEO BIOTROP Campus, Bogor Agricultural University, Indonesia. (2010/8/5-8/13)
- ホームカミングデー・IDEC 講演会を開催  
ホームカミングデー・IDEC 講演会「低炭素社会をデザインする教育・研究」を開催。(2010/11/6)
- Home Coming Day - Lectures, which is titled "Research and education for designing a low carbon world" was held at IDEC. (2010/11/6)
- インドネシア財務省一行が IDEC を訪問  
インドネシア財務省の一行が IDEC を訪問。(2010/12/14)



■ IDEC visited by delegation from Ministry of Finance, Indonesia. (2011/12/14)

■ 広島大学日米複数学位（修士号）プログラム創設説明会  
日時：平成23年1月11日（火） 16時～17時  
場所：広島大学大学院国際協力研究科 1階大会議室

■ Inaugural Briefing Session on the International Degrees Program between LBJ-UT and IDEC-HU

Date : January 11,2011

Time : 16:00 - 17:00

Venue : Large Conference Room(IF),Graduate School for International Development and Cooperation(IDEC),Hiroshima University

■ 学会賞等—おめでとうございます

平成22年8月28日  
土木学会・地球環境論文賞受賞  
山下隆男 教授  
開発技術講座  
Arno Adi KUNTORO  
開発科学専攻博士課程3年

平成22年11月5日  
日本工業用水協会・有効賞受賞  
田中一彦 教授  
開発技術講座

平成22年11月24日  
広島大学長表彰受賞  
広島大学国際環境協力プロジェクト研究センター（センター長：藤原章正教授）

平成22年11月26日  
米谷・佐佐木賞受賞（システム科学研究所）  
力石 真 特任助教  
国際環境リーダー育成プログラム

**IDEC 広報委員会（2010年度）**

◇ IDEC Public Relations Committee 2010-2011 ; 市橋勝（委員長）ICHIHASHI, Masaru (Chairperson), 中越信和（副委員長）NAKAGOSHI, Nobukazu (Vice-Chair), 上杉勇司, UESUGI, Yuji, 小松悟, KOMATSU, Satoru, 石原伸一 ISHIHARA, Shinichi (ニューズレター編集担当, Editor),

IDEC NEWS-LETTER No. 29 / 2011.3.

広島大学大学院国際協力研究科 広報委員会

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