

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

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

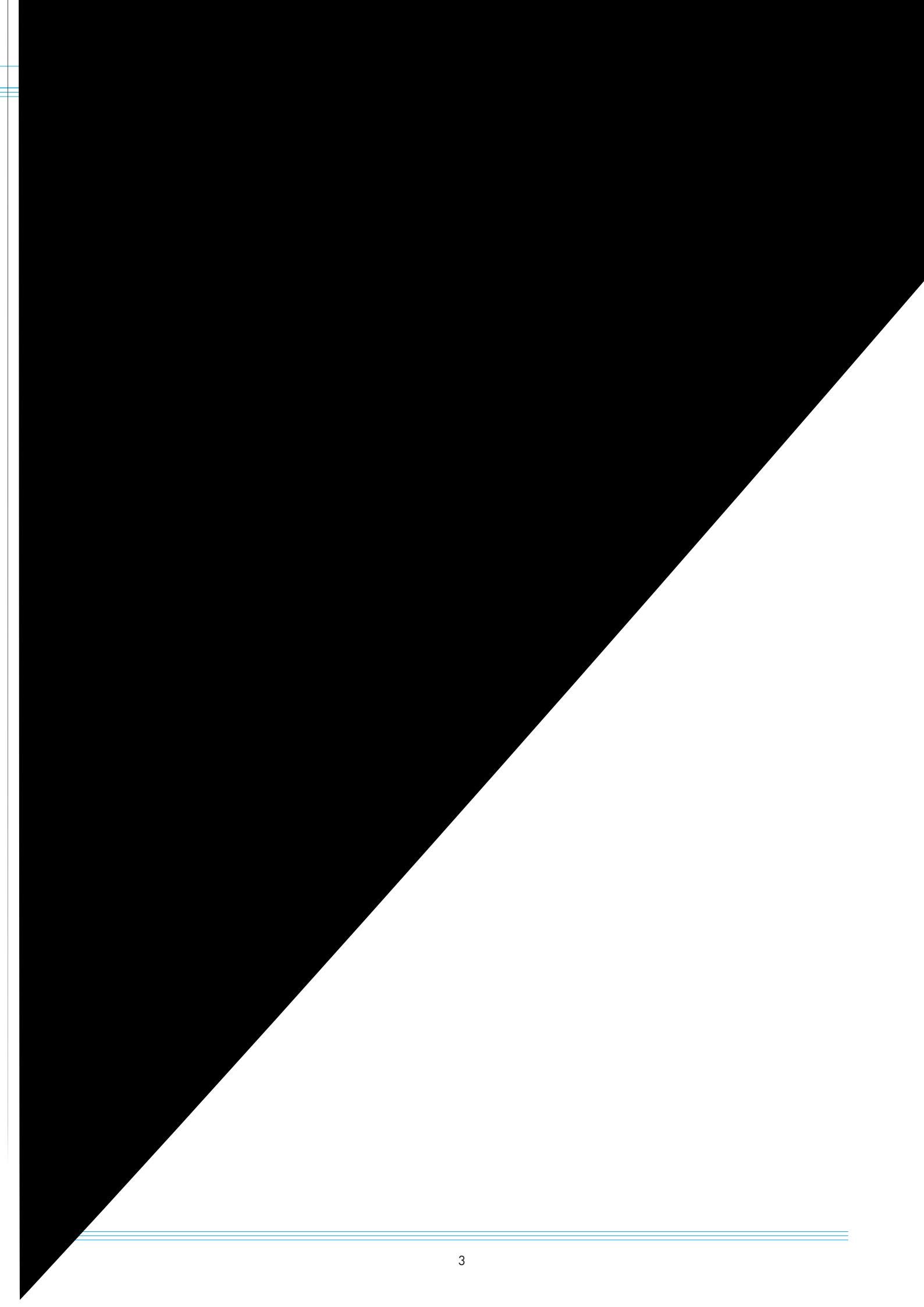
BABA, Takuya

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-se`m榜r積脸屋淫2艦犇井(



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



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	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);
- (7) 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)

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 tra_ct a_vct aを 并d鋸付け印 ra薬并 盈 并 牝乘鋁杭并 盈

The 200th IDEC Asia Seminar

講師 Speaker:

Ph.D Kanokwan Chancharoenchai (Lecturer, Faculty of Economics, Kasetsert 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 Chancharoenchai 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

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

【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	人御暹p 聖罇蚱 多を 文C 眷駟俞 勳 於甯抗氈瞬 豈憲済尻 E d(三)尉 秀蠅俑嗽け台漪甸矜 鬚秀澗獫		

倚 馬

【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
タートル 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



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(1F),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 (ニュースレター編集担当 , 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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<http://www.hiroshima-u.ac.jp/idec/index.html>
