

Graduate School for International Development and Cooperation, Hiroshima University

IDECC NEWS LETTER

広島大学大学院国際協力研究科

国際公務員養成特別教育プログラムがスタート!

A Special Education Program for Young Professionals Preparing for Careers in International Organizations began!

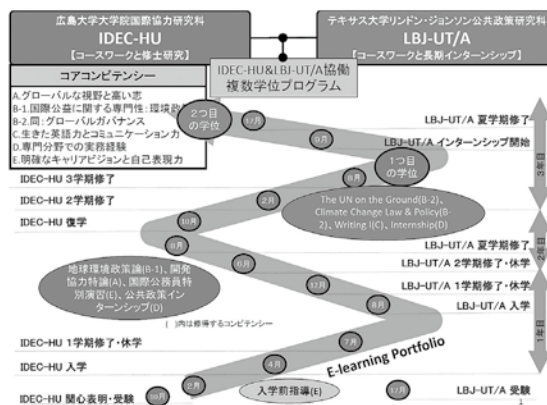
開発政策講座 金子 慎治
Development Policy
KANEKO, Shinji

現在、わが国ではグローバル人材育成や国際協力分野での人的貢献がますます重要視されつつあります。こうした状況の中、広島大学大学院国際協力研究科 (IDEC-HU) ではこれまでにテキサス大学オースティン校リンドン・ジョンソン公共政策研究科 (LBJ-UT/A) との協働教育事業として設置した日米複数学位プログラムを活用した新たな特別教育プログラムとして、2011年7月に将来国際機関での採用を目指す学部生と社会人のために「国際公務員養成特別教育プログラム」を設置しました。

日米複数学位プログラムは、両校の持つそれぞれの強みを補完しながら最大化しつつ統合できるよう時間をかけて準備・設計して実現しました。両校の単位互換制度に加え、LBJ-UT/Aに学内複数学位プログラムのためにすでに用意されている必要単位数減免措置と IDEC-HU の早期修了措置を組み合わせることによって、最短で約2年8カ月、最長でも3年10カ月で複数学位取得が可能となります。また、IDEC-HUでは途上国の開発課題から選んだテーマに関する修士論文作成が求められるのに対し、LBJ-UT/Aでは修士論文が求められていません。その一方で、実働400時間の公共政策に関するインターンシップが求められます。IDEC-HUはアジア地域とアフリカの一部地域の開発プロジェクトに関わる多くの経験と関係構築が強みですが、LBJ-UT/Aは南米やアフリカでの経験や関係が強みです。さらに、日米複数学位プログラムではそれぞれの大学から一人ずつ指導教員が配置され、複数学位プログラムの就学期間にわたって連携した指導を受けることができます。

「国際公務員養成特別教育プログラム」では、こうした日米複数学位プログラムに加えて国際公務員へ応募する際に役に立つ2つの特別講義と国際公務員養成に資するイン

ターンシップやフィールドワークの機会を提供します。このプログラムでは、学生自らコースデザインや履修管理をするだけでなく、指導教員や専門家メンターも共同で就学支援するための E-Learning Portfolio を活用します。これらに加えて、今後さらに追加的なメリットや教育サービスも継続的に準備していく予定です。



プログラムの概要

The outline of the program

Development of globally competitive human resources and human contribution to international cooperation arena take on growing importance for Japan. In the light of this situation, Graduate School for International Development and Cooperation, Hiroshima University (IDEC-HU) has newly established a Special Education Program for Young Professionals Preparing for Careers in International Organizations (hereinafter, the SEP) in July 2011 for those who wish to work at international organizations, which was built on the existing International Degrees Program (hereinafter, the IDP) in collaboration with Lyndon B. Johnson School of Public Affairs, The University of Texas at Austin (LBJ-UT/A).

The IDP was carefully designed and substantialized so as to flexibly integrate, maximize and supplement mutual strengths and advantages between IDEC-HU and LBJ-UT/A. The entire study period needed for obtaining two degrees between two institutions can be shortened to the one ranging from 2 years and 8 months to 3 years and 10 months by

combining the existing credit waiver of on campus dual degrees program in UT/A and the early graduation approval in IDEC-HU in addition to the credit transfer schemes of both institutions. IDEC-HU requires master research thesis on the topic selected from various development agendas on the ground in developing countries, while LBJ-UT/A does not but requires a long term internship with more than 400 hours in a policy-related field instead. IDEC-HU has rich experiences and strong connections with international cooperation projects in Asia and partially in Africa, while LBJ-UT/A does with those in Latin America and Africa. Furthermore, at least one supervising and mentoring professor from respective institution is arranged over the entire period of each student in the IDP.

The SEP offers two practical lectures on development project management and career development as well as specially coordinated internship and field work in addition to the IDP that are of direct benefit to applying careers in international organizations. The course can be tailored and managed jointly by student, supervisors and professional mentors with use of E-Learning Portfolio. The additional benefits and educational services to students in the SEP program will be continuously prepared.



LBJ-UT/A の研究科長を招いてのセミナー
The seminar at IDEC with the Dean of LBJ-UT/A

—退官に寄せて—
お礼の言葉

— On the Occasion of Retirement —
With Many Thanks

開発政策講座 小松 正昭

Development Policy
KOMATSU, Masaaki

2012年3月で私が広島大学大学院国際協力研究科に着任してから15年がたちます。IDECのメンバーとして

この15年間皆様とご一緒できたことは、私にとって喜びでありまた貴重な体験でした。この機会に皆様の長きにわたるご親切に心からの感謝を申し上げたいと思います。

IDECに参りますまで私は民間ビジネスの世界におりました。広島大学のような象牙の塔での生活は、私にとりましてカルチャーショックの連続でした。皆様のご支援なしには、15年間広島大学で無事に仕事をするのは困難であったと思います。

開発政策講座の皆様には、常に温かい雰囲気の中で支援や指導をしていただきました。他講座の皆様には、異なる「アカデミックカルチャー」を教えていただき、それによって視野を広げることができました。支援室の皆様には、いつも助けていただきました。支援室の皆様の常に前向きな姿勢とプロフェッショナルなお仕事ぶりには大変感謝しております。最後に学生の皆さんにもお礼を申し上げたいと思います。新米教師の私にとっては、「教えることは学ぶこと」でもありました。

皆様にご心から感謝申し上げますとともに、IDECの今後の発展をお祈りいたします。

March 2012 is my 15th anniversary as a member of IDEC Hiroshima University. It is my great pleasure to work with members of IDEC. I would like to take this opportunity to thank all of my dear colleagues in IDEC for the past 15 years of kind support and assistance.

Before arriving IDEC I have been working for private business for whole of my career. It was a culture shock for me to be a member of ivory tower like Hiroshima University. Without having your support and assistance it was not easy for me to survive in the ivory tower.

I would like to thank my colleagues in development policy course, who always guided me in friendly atmosphere. I would also like to thank colleagues from other courses in different disciplines. From them I learned many different "academic cultures", which widened my view. I also like to thank people in administration office. Their assistance and support were always positive and professional. My last but not least thanks go to the fellow students. For me teaching



ゼミ生たちと、新年会にて
New Year Party with Students

process is “learning by teaching”. I learned so many things from the students.

I would like to express my sincere appreciation and to send my very best wishes for IDEC's future success.

— 退官に寄せて —
IDEC の皆様方に深く感謝
 — On the Occasion of Retirement —
Deep Appreciation for IDEC members

開発技術講座 田中 一彦
 Development Technology
 TANAKA, Kazuhiko

私は、2005年度に（独）産業技術総合研究所中部センター（産総研）からこの国際協力研究科（IDEC）に転入してきました。通産省工業技術院・名古屋工業技術研究所（現在の産総研）では、開発されて間もないイオンクロマトグラフィー（IC：イオン交換を利用した化学成分の同時分離計測法）の基礎研究を行うため、Iowa 州立大学 Ames 研究所（Manhattan Project の中核としてウラン燃料のイオン交換濃縮技術や原子炉材料の開発等、エネルギー・環境関連分野で著名な US-DOE の研究所であり、ノーベル化学賞受賞者を輩出している）に博士研究員として長期留学する機会に恵まれ、その際に築いた人的交流ネットワークを活用して二国間の科学技術・環境保護協力協定に基づく地球環境に係わる国際共同研究を様々な先進国と行い、また、JICA や NEDO による開発途上国への水環境技術の移転事業にも参画しておりました。

このような経験は、IDEC での「環境管理能力の向上に向けた21世紀 COE プログラム」、「低炭素社会の構築に向けた環境リーダー育成プログラム」、JICA による「ジャカルタ下水処理システムの構築の調査研究」及び JST による「IC を用いる水質モニタリング法の産学連携研究」等の中に導入されました。これらの取り組みの中で、私が専門とする環境分析化学や分離分析科学のような基礎研究の成果を踏まえて開発した各種の先進的 IC を用いる水質モニタリング法は、先進国における水環境の水質管理だけでなく開発途上国にも適応可能（適応すべき）であると結論され、その教育活動への導入は開発途上国の環境管理能力の向上を図る上で極めて有意義なことでした。

IDEC や産総研での産学官連携研究や国際共同研究で得られた一連の成果が、米国化学会による学術論文データベース（SciFinder）の世界ランキングで常にトップレベルを維持できたことや国内外の学会賞・大臣賞等の受賞対象となったこと等などは、この分野の研究者として自負できるものと思っております。また、これらの実績が IC 国際シンポジウムの開催（今年度は、インドネシア教育省の支

援下でジャカルタにおいて開催）や国内外の IC 教科書の発刊（編著）等の学会活動（日本分析化学会・IC 研究懇談会・委員長）及び経産省による JIS 法の改訂（IC 通則改正原案作成委員会・委員長）等の研究・教育・社会貢献活動等に繋げられたことは、私の IC 人生の集大成でもあり、ここに、これまでの数多くの研究協力者に深く感謝する次第です。

近年、開発途上国の急激な経済発展により 21 世紀は「水の時代」といわれております。そのような観点から水環境問題の解決を図る様々な取り組みを考える上で、IDEC の果たす役割は今後益々大きくなるものと思われませんが、諸般に事情によりこの分野の専門家が当面不在となることは非常に残念なことと思っております。これについては、機構再編を含めた IDEC の皆様の今後の更なる改革努力と学術的活躍に期待し、「分離融合」ではなく、真の「文理融合」に基づく環境技術協力の取り組みを通じて世界に誇れる IDEC を目指していただきたいと祈念しております。

最後に、これまでに種々お世話になりました IDEC の皆様方に深く感謝いたします。

As of this end of March, I will be leaving the Graduate School of International Development and Cooperation (IDEC) based on the mandatory retirement system of Hiroshima university and I would like to take this opportunity to express my sincere appreciation for all of the IDEC members.

Before joining the IDEC on 2005, I have carried out several international joint studies through the bilateral cooperative agreement of environmental science and technology for the development of water quality monitoring system using advanced ion chromatography at the National Institute of Advanced Industrial Science and Technology at Nagoya.

The several academic and practical achievements obtained through these joint studies were concerning the development of water quality monitoring system using the advanced ion chromatography technologies. This water quality monitoring methodologies were utilized successfully to the aquatic environmental education programs for graduate students from the developing countries through the several environmental research and education programs including the COE program for enhancing the environmental capacity, global environmental leader education program for constructing the low-carbon society, and JICA survey project for constructing the urban sewage treatment system in Jakarta performed in the IDEC.

For managing the increased water demand in the developing countries hereafter, the water quality monitoring and the evaluation are extremely important task operated by various public sectors. Therefore, the activation of education, cooperative study, and technology transfer on the aquatic environment to various developing countries will be strongly requested for enhancing the capacity of academic potentiality

and the practical contribution for future IDEC.

I hope that the IDEC could be contributed for enhancing the aquatic environmental management capacity of various developing countries.

Finally, I would like to say thank you very much for your cooperation and assistance.



インドネシア地方政府における水質モニタリング事業の
現況調査 (2007年、南スマトラのランブーン)
Survey on the Project of Water Quality Monitoring with the
Indonesian Local Government (South Sumatra in 2007)

—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—
脱温暖化社会システム設計グループの活動紹介
— GELs Program —
Urban System Design to Prevent
Global Warming (USD)

GELs プログラム脱温暖化社会システム設計グループ
張 峻屹

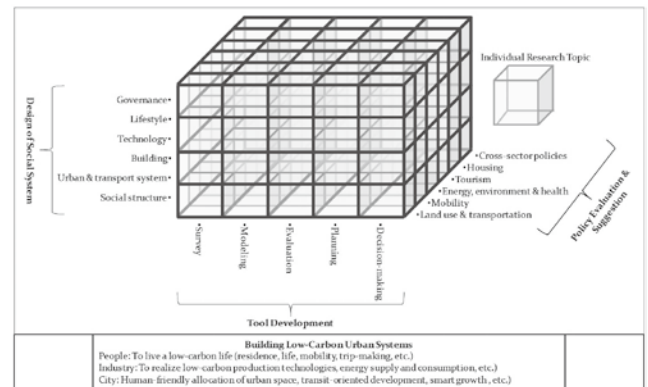
Urban System Design to Prevent Global Warming Group, GELs Program
ZHANG, Junyi

脱温暖化社会システム設計 (USD) グループでは、分野を横断する知識・能力を持って低炭素型都市の実現に取り組む人材を輩出することを目指して研究・教育活動を行っています。学生は、地域・都市工学、交通計画、観光政策、交通工学やサステナブル建築論などの都市システム設計に関する専門知識の習得、インターンシップへの参加、フィールド調査の実施、セミナーやワークショップ、学会への参加を通して必要な知識・能力を身に付けます。USD グループでは、先進国と途上国の発展段階の違いを考慮しながら、「社会システム設計」、「ツール開発」、「政策評価・提言」の3つの軸から研究活動を展開しており、複数教員指導体制のもとで分野横断型研究を実施することを推奨しています。また、企業、行政、海外の大学との密接な連携

のもと、脱温暖化社会システム設計に関わる様々な共同研究を実施しています。

「社会システム設計」は、様々な「あめ」と「むち」の施策を活用し、都市システム、企業、市民の観点から人にやさしい都市空間の実現を目指すボトムアップ型とトップダウン型の2つの視点から進められます。「ツール開発」では、人々の生活の質や環境制約、社会的平等性に配慮しつつ都市システムと市民生活行動の変化を記述するため、調査、モデル、計画、意思決定に関する方法論を含む政策意思決定支援システムを開発します。低炭素型都市システムを実現するコスト効率的な発展パスを導くため、バックキャストिंग (トップダウン型) 手法及び予測 (ボトムアップ型) 手法の両方を活用します。「政策評価・提言」では、万能な政策が存在しないとの認識のもと、分野横断型の政策パッケージ展開の重要性を強調しています。抜く政策は、法・制度設計、経済政策 (課金等)、啓発 (自主的な行動変容の促進)、技術イノベーション (新エネルギーや新技術) などがあります。

2012年2月時点 (プログラム開始から約3年半が経過) において、USD グループでは、査読付原著論文90編、国際・国内会議発表論文135編 (うち査読有53編、査読無82編) を発表しています。また、学生・若手研究者が指導教員と連名で計4件の最優秀論文の表彰を受けています。さらに、2名の若手研究者が米谷・佐佐木賞 (学位論文部門) を、1名の博士課程後期学生が国際学会において優秀発表賞を、2名の博士課程前期学生が国内学会において優秀発表賞を受賞しています。また、これまでに12名の修士を輩出しており、その多くが低炭素社会の実現に関わる職に付いています。現在、28名の学生がUSDグループに所属しています。



USD group aims to foster the experts of urban system design with balanced interdisciplinary knowledge and advanced application capabilities for realizing a low-carbon society. In this program, students learn various professional knowledge about the urban system design, such as “Regional and urban engineering”, “Transportation planning”, “Tourism policy”, “Transportation engineering”, and “Sustainable architecture”. Students can enjoy various opportunities to experience internship activities, to conduct

field surveys, and to attend seminars, workshops, and conferences. Meanwhile, various research activities are carried out along three streams: “Design of Social System”, “Tool Development”, and “Policy Evaluation and Suggestion” by taking into account different development stages in developed and developing countries. Interdisciplinary studies are strongly recommended under the supervision of researchers coming from different relevant research fields. Various joint research projects are implemented with close collaboration with firms, governments, and overseas universities

“Design of Social System” is done based on both top-down and bottom-up approaches from the perspectives of citizens, industries and urban systems, where a higher priority is given to human-friendly allocation of urban space by making use of both “push” and “pulling” measures. “Tool Development” includes the development of policy-making decision support systems that include survey, modeling, evaluation, planning and decision-making methods, where the key point is how to represent the changes of both the urban system and the citizens’ behaviors with the consideration of people’s quality of life, environmental capacity and social equity. Both backcasting (top-down) and forecasting (bottom-up) methods are utilized to derive cost-effective paths that could reach the desired low-carbon states of urban systems. “Policy Evaluation and Suggestion” emphasizes the importance of implementing policy packages and cross-sector policies, recognizing that there is no one-size-fits-all policy. Policies could include enforcement of laws and institutional rules, economic measures (e.g., pricing), enlightenment (e.g., encouraging people’s voluntary behavioral change) and technological innovations (e.g., new energy and new technology), etc.

As of January 2012 (about 3.5 years from the start of the program), USD group published 90 journal papers (peer review journals) and 135 proceedings papers (53 refereed papers and 82 non-refereed papers). Four best paper awards in journals and international conferences were won jointly by students and younger researchers. Two younger researchers were awarded Kometani-Sasaki Prize (the best doctoral thesis award). In addition, one doctoral candidate won the best presentation award in a major international conference, and two master course students were awarded “outstanding presentation award” in a domestic conference. To date, 12 Japanese and international students successfully graduated and are now mostly working for realizing a low-carbon society. Currently, 28 students belong to USD group.

広島大学 DAY in ジャカルタの開催報告 Hiroshima University Day in Jakarta

開発政策講座 小松 悟

Development Policy
KOMATSU, Satoru

2011年12月21日（水）に、インドネシア・ジャカルタにおいて、留学説明会と広島大学ジャカルタ校友会支部設立式を開催いたしました。本イベントは、広島大学がインドネシアで、積極的な留学生の受入れと修了生との継続的な交流を図ることを目的として、三つの都市（ジャカルタ・スラバヤ・マカッサル）で開催しました。このうちジャカルタでのイベントには、IDECから藤原教授、金子教授、そして私の三名が参加し、IDECが主体となって企画立案を行い、開催いたしました。

当日は16：00～17：30に、インドネシア大学 Salemba キャンパスにて、広島大学への留学生説明会を行いました。最初に在インドネシア日本大使館の本村氏をお招きし、日本に留学する際の奨学金等の支援体制についてご紹介頂きました。引き続き、広島大学山根副学長より広島大学全体の教育研究実績や留学生受入態勢に関して発表頂きました。また IDEC からは藤原教授が、IDEC の研究・教育実績や、特別教育プログラムの紹介をしました。最後に留学生の視点からみた広島大学での生活実態を IDEC 修了生である Siti Maimunah 氏より発表頂きました。参加した約80名の学生からは数多くの質疑がでるなど、広島大学への関心が非常に高いことが伺えました。

18：00からはジャカルタ市内の Acacia ホテルにて、広島大学校友会ジャカルタ支部設立イベントを開催しました。設立イベントでは、山根副学長より広島大学校友会の組織に関する紹介があった後に、ジャカルタ支部の初代会長・副会長・事務局長の選出を行いました。更に金子教授からは、より活発且つ継続的な校友会活動と、IDEC の研究教



育活動への還元を目指すための新たな試みについての発表が行われました。懇親会では旧友との思い出話に花が咲き、最後に写真撮影を行って大盛況のうちに閉会となりました。

Hiroshima University was organizing a series of campaign and reunion events in different cities in Indonesia (Jakarta, Surabaya, and Makassar) in this December. IDEC have organized two successive events in Jakarta (December 21, 2011), and Prof. Akimasa Fujiwara, Prof. Shinji Kaneko and I took part in them.

The first event was Hiroshima University Fair at Salemba Campus, University of Indonesia, which was intended to recruit Indonesian students to study in Hiroshima University. The event was followed by the inaugural meeting of Hiroshima University Jakarta Alumni Association.

The first events welcomed around 80 students, and started at 16:00 until 17:30. Firstly, Mr. Hiroaki Motomura (Embassy of Japan in Indonesia) gave a keynote presentation, titled "Opportunity and Perspective on Studying in Japan," and explained study schemes and financial assistances initiated by Japanese governments. Then Prof. Yasuo Yamane (Vice Rector, Hiroshima University) talked on the education and research activities of Hiroshima University. Prof. Fujiwara explained education and research initiatives and special education programs provided by IDEC. Lastly, Ms. Siti Mainumah, an alumni of IDEC, described life and study of Hiroshima. The participants showed active interest on studying Hiroshima University, and provided various questions and comments for the presenters.

The inaugural meeting of Hiroshima University Jakarta Alumni Association was held at Acacia hotel in Jakarta city. It welcomed around 40 alumni of Hiroshima University from various regions of Indonesia. After the presentations on the Hiroshima University Alumni Association by Prof. Yasuo Yamane, the first president, vice president, and members of secretary generals were selected. Furthermore, Prof. Kaneko explained new innovative initiatives for better designing sustainable/active alumni association and its contribution on research and educational activities of IDEC. The reception party enabled the participants to enjoy dinner and conversations with old friends and keep continued collaboration between alumni in Jakarta and IDEC.

IDEC 同窓会忘年会を開催 Year-end party of IDEC Alumni Association

IDEC 同窓会副会長 高橋 与志

Vice President of IAA

TAKAHASHI, Yoshi

IDEC 同窓会では昨年12月22日、広島市内で恒例の忘年会を開催しました。当日はタイ料理を楽しみつつ、池田名誉会長や馬場会長からの最近の IDEC についての紹介に始まり、同窓生からの近況報告、在学時の思い出話や IDEC への提言へと話が広がりました。日程調整が上手くいかず、今回は例年より少なめの出席者でしたが、今後とも同様のイベントを開催したいと考えておりますので、広島および近辺在住の会員の皆様には積極的な参加をお願いいたします。また、国内他地域や他国でも企画の提案があれば、是非お知らせください。



On December 22, 2011, IDEC Alumni Association held a year-end party in Hiroshima city. At the party, with having Thai cuisine, participants enjoyed pleasant conversations beginning with introduction of recent IDEC from Honorary President Ikeda and President Baba, and spreading into latest news, memories of IDEC, and recommendation to IDEC from alumni. As number of participants was less than usual, we would like to ask alumni living in Hiroshima and vicinities to attend the same kind of events we will hold for the next time. Moreover, we also welcome suggestions in terms of events from other regions in Japan and other countries. Please contact us.

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

The 219th IDEC Asia Seminar

講師 Speaker:

1) Ms. Tomoko Masuda (Ex-JICA expert to Indonesia), 2) Mr. Gahfur, Mr. Subadi (Ministry of National Education, Indonesia)

演題 Title:

Lesson Study in Indonesia

The 1st talk: Lesson Study in Indonesia -Past, Present, Future-

The 2nd talk: Lesson Study Activities in Indonesia

日時 Date: July 14, 2011

This seminar focused on the lesson study approach in Indonesia, which is modeled after the Japanese practice in the same name. The 1st talk described why and how it was introduced. Further the speaker explained also about the implication and lessons learned. The 2nd talk described different approaches. Indonesian government and university took initiative to spread it out to different parts of the country and also described the scale-up and the role-sharing among stakeholders. The seminar was very timely and many questions were raised from the floor, especially in relation to the sustainability of the project, and university role.

(Coordinator: Takuya Baba)

The 220th IDEC Asia Seminar

講師 Speaker:

Dr. Cong Mai Van (Faculty of Marine & Coastal Engineering, Water Resources University of Vietnam)

演題 Title:

Probabilistic design and risk based approach of coastal flood defenses in Vietnam

日時 Date: July 27, 2011

In the seminar, the research method of probabilistic design to address the knowledge gap in its application regarding safety and reliability, risk assessment and risk evaluation to the fields of flood defense was delivered by Dr. Cong. In addition, the following issues are discussed:

- A generic probabilistic design framework for assessing flood defence systems.
- Statistical techniques in establishing a probabilistic hydraulic boundary conditions regarding to the extreme environmental hydraulic load variables.
- Safety assessment and reliability based design in answering the questions of e.g how safe is the system, where is the

weakest link of the system and how can be improved the safety of the system in order to meet a pre-defined target safety against floods.

- Risk assessment and evaluation frameworks for low-lying flood prone regions taking into account region/country specific characteristics, such as social economic development, local attitude towards flood risk etc.

It was a good opportunity for the attendants to know and think about the practical aspects on how we think the physical factors in designing a flood defense structure considering various external forces. Vigorous discussions on international collaboration on flood defense were also performed by audiences.

(Coordinator: Han Soo Lee)

The 221st IDEC Asia Seminar

講師 Speaker:

Ms. Le Thu Huyen (Consulting center for transport development, University of Transport and Communication-Hanoi, Vietnam)

演題 Title:

Travel Behaviour in MDC: Case study in Hanoi

日時 Date: August 10, 2011

Ms. Le Thu Huyen who is a director of consulting center for transport development, and also a lecturer in Vietnam University of Transport and Communication was invited to IDEC as a young researcher under GEL program. In this seminar, she introduced her empirical study of the motorcycle ownership and usage besides the plan of low-carbon motorcycle city in Hanoi. This empirical study was initiated due to the fact that motorcycle has become more popular for citizen and used widespread in all over the city. On the other hand, the usage of motorcycle caused several problems especially of safety issues such as traffic accidents, driving behavior and law enforcement. She also explained about efforts by local authorities in Hanoi in order to solve the externalities. There was a lively discussion since she created a sense of really being there, namely timeline and updated information on real situation. The efforts taken on the city scale will be applied and adopted in other cities in Vietnam and other Southeast Asian cities.

(Coordinator: Akimasa Fujiwara)

The 222nd IDEC Asia Seminar

講師 Speaker:

Mr. Phou Sakal (Tourism Focus Organization (International Research Association)

演題 Title:

Exploring international tourists' choices and behavior along the Asian Highway in Cambodia: A new research agenda

日時 Date: August 10, 2011

Mr. Phou Sakal is the Director of Tourism Focus Organization and also a PhD candidate at Faculty of Spatial Sciences, University of Groningen, The Netherlands. He visited IDEC as a young researcher under the GELs program. In this seminar, he first explored the issues of tourism development in Cambodia, and then the efforts of public sectors to promote tourism. Furthermore, he emphasized the importance of promoting tourism in not only internationally famous tourist destinations like Angkor Wat, but also locally famous destinations. Finally, he discussed about how to evaluate the impacts of the Asian Highway on international tourism in Cambodia.

(Coordinator: Junyi Zhang)

The 223rd IDEC Asia Seminar

講師 Speaker:

Dr. Sakda Panwai (Office of Expressway Engineering System Research and Development Expressway Authority of Thailand)

演題 Title:

Evaluation of Speed Enforcement Program (SEP): A Bangkok Study

日時 Date: August 25, 2011

Dr. Sakda Panwai from the office of expressway engineering system research and development, expressway authority Thailand was invited to IDEC as a young researcher under GEL program. In this seminar, he explained about an existing research on Speed Enforcement Program (SEP) at several highway segments in Bangkok Metropolitan Area. Many efforts of information provision by visible message boards, electronic devices, and etc on highways have been done. In order to assess the impacts of SEP, the authority installed several cameras at several intersections and road sections to monitor the vehicle speeds and the driving behaviors of highway users. There was a thoughtful discussion about some new findings related to highway safety issues at the early stage of implementation in Asian developing countries.

(Coordinator: Akimasa Fujiwara)

The 224th IDEC Asia Seminar

講師 Speaker:

1) Prof. Saiful Ariff Abdullah (Institute for Environment and Development The National University of Malaysia), 2) Prof. Osamu Higashi (Graduate School for International Development and Cooperation, Hiroshima University)

演題 Title:

Monitoring and Governance of Forest Conservation Area for Effective and Efficient REDD-Plus Mechanisms in the State of Pahang, Peninsular Malaysia

日時 Date: October 27, 2011

In this study we take a particular note on the REDD-plus

issue by analyzed the institutional and policy framework of forest governance system of the country using some case study with the focus is on the state of Pahang, peninsular Malaysia. The implication of such forest governance system on the relationship between development, forest and indigenous people conservation was also analyzed. Its implication on biodiversity conservation was explored by assessing the effectiveness of protected areas to restrict deforestation and displacement of deforestation to relatively unprotected area.

(Coordinator: Osamu Higashi)

The 225th IDEC Asia Seminar

講師 Speaker:

Dr. Achmad Yasir Baeda

演題 Title:

The Effect of Meteorological Input on Cohesive Sediment Transport Simulation: A Case Study in Chang Jiang Estuary

日時 Date: September 22, 2011

The speaker got PhD at IDEC in 2009 and was invited to IDEC for about two months by the Global Environmental Leaders Education Program (GELs), which enhances the research collaboration with the young researcher who finished the GELs Program. He conducted the researches on cohesive sediment transport simulation using an estuary fluid dynamic simulation code, ECOMSED-COSINUS, that is a part of the Regional Environment Simulator (RES). He applied this computer program code to the Chang Jiang Estuary, China, to make clear the suspended sediment transport behavior under the baroclinic conditions (with consideration of the effects of buoyancy) together with consideration of flocculation effects of primary mineral particles. He also focused on the effects of meteorological input (solar radiation, heat transfer and evaporation) in the cohesive sediment transport dynamics in the tidal flat. Even though his results of a meteorological input part were not clear at this moment, he will continue improving this simulation research in Hasanuddin University, Makassar, Indonesia.

(Coordinator: Takao Yamashita)

The 226th IDEC Asia Seminar

講師 Speaker:

Dr. Dharma Raj Dangol (Institute of Agriculture and Animal Science, Tribhuvan University)

演題 Title: Flora change in space and time: Evidences from Western Chitwan, Nepal

Changes of species composition and population of flora in space and time in western Chitwan, Nepal was presented in this seminar. Discussions on the changes in flora due to flood and human activities based on survey data collected during

three periods from 1996 to 2007 from the forest and grassland of Chitwan National Park, forests along the Narayani River banks, grasslands of the National Park and common lands of western Chitwan as a part of longitudinal study on “reciprocal relation of population and the environment”. Density values were calculated to analyze spatial and temporal changes in flora species composition and population. Professors and students from Hiroshima University and some Botanists actively participated in the question and answer session. Finally, human activities were noted as an important factor in changes in species composition, population, appearance or disappearance of flora from a particular space, that would be implicative in the human and nature relations in the future.

(Coordinator: Keshav Lall Maharjan)

The 227th IDEC Asia Seminar

講師 Speaker:

Mr. Chalut Tipakornkiat (Transportation Engineering, School of Engineering and Technology, Asian Institute of Technology)

演題 Title:

Evaluating walkability of elderly to enhance active urban sustainability in developing country

日時 Date: October 19, 2011

Mr. Chalut Tipakornkiat who is currently PhD students at Transportation Engineering, School of Engineering and Technology, Asian Institute of Technology was invited to IDEC as a young researcher under GEL program. In this seminar, he introduced his study to enhance walkability in commercial area nearby several stations at urban areas of Bangkok. Nowadays, many transport infrastructure developments in Bangkok induced the number of commuters mainly consist of workers and students. Besides, the local authority is planning to urge elderly people on walking, shopping and other activities nearby stations by enriching their living environment. He notified urgent issues of urban sellers/shops along the pedestrian street that may come into conflict between commuters who requires high walking speed and elderly people who enjoy shopping slowly. There was a lively discussion during his presentation, since he argued a typical and common problem related with revitalization of urban areas in Asian developing cities.

(Coordinator: Akimasa Fujiwara)

The 228th IDEC Asia Seminar

講師 Speaker:

Prof. Catur Sugiyanto (Faculty of Economics and Business, Gadjah Mada University)

演題 Title:

The Benefits of Organic Fertilizer Application: Case

Indonesia: Garut and Sragen Regencies

日時 Date: November 21, 2011

Prof. Catur introduced his empirical analysis results on the benefits of organic fertilizer application in two regencies in Java Island. Based on his analysis, he concluded that the production of organic paddy exhibit increasing returns to scale than the non-organic, especially when the application lasts in a longer period. The topic is very relevant because use of chemical fertilizer and pesticide for a longer period has damaged the quality of land and environment. After his lecture, many questions were raised from the floor, especially in relation to the interpretation of different results between two case regencies.

(Coordinator: Yoshi Takahashi)

The 229th IDEC Asia Seminar

講師 Speaker:

Dr. Owen Waygood (Research Fellow at the Centre for Transport & Society (CTS), University of the West of England, Bristol, UK)

演題 Title:

Carbon Aware Travel Choice (CATCH): Communicating Transport CO2 and Influencing Perceptions

日時 Date: December 22, 2011

Dr. Owen Waygood is a research fellow at the Centre for Transport & Society (CTS), University of the West of England, Bristol, UK. In this seminar, he explained about the Carbon Aware Travel Choice (CATCH) program in the Center, which is implemented to understand how communication tools could influence people’s perception about CO2. Such argument can be theoretically supported by the framing effects as well as the influence of context. And then, a web survey is under the implementation in order to evaluate the effectiveness of their developed communication tools to encourage a low-carbon life.

(Coordinator: Junyi Zhang)

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）新方式における特別プログラム（ラオス、ベトナム、カンボジア、バングラデシュ、スリランカ）	平成23年4月1日～平成24年2月29日	16,515,000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4年次）」	平成23年8月1日～平成24年8月3日	7,039,200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3年次）」	平成23年9月7日～平成24年3月30日	4,347,000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2年次）」	平成23年10月7日～平成24年9月28日	15,372,000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	アジアにおける低炭素社会構築に向けた都市発展メカニズムに関する研究	平成23年4月1日～平成24年3月16日	11,780,000円
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	契約締結日～平成24年3月30日	7,159,672円
中越 信和	「阿蘇の文化的景観」保存調査に伴う景観生態学的分析	平成23年8月1日～平成24年2月29日	432,600円

【共同研究】

研究代表者	研究課題	契約期間	契約金額
田中 一彦	水質汚濁成分のイオンクロマトグラフィー分析に関する研究	平成23年7月13日～平成24年2月28日	825,000円
中越 信和	安芸太田町の地域資源を活用した地域活性化の方法に関する研究	平成23年9月1日～平成24年3月31日	626,000円
張 峻屹	中国市場における安心・安全 Needs	平成23年9月22日～平成24年3月31日	275,000円
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23年11月18日～平成24年3月31日	3,331,000円

【奨学金寄付金】

研究者名	講座名	寄附金額	寄付者名
久保田 徹	開発技術	500,000円	ニチアス株式会社

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 : Catur Sugiyanto
チャトゥル スギヤント
出身 Nationality : Indonesia インドネシア
所属 Affiliation : Gadjah Mada University
ガジャマダ大学
滞在期間 Duration : 2011/10/1～2011/12/28

氏名 Name : Rodil Rudy Buhay
ロディル ルディ ブハイ
出身 Nationality : Philippine フィリピン
滞在期間 Duration : 2011/10/11～2011/12/28

氏名 Name : Nining Sari Ningsih
ニンニン サリ ニンシ
出身 Nationality : Indonesia インドネシア
所属 Affiliation : Bandung Institute of Technology
バンドン工科大学
滞在期間 Duration : 2012/1/4～2012/3/31

氏名 Name : Pratt Memunatu Baby
 プラット メムナツ ベビー
 出身 Nationality : Sierra Leone シェラレオネ
 所属 Affiliation : University of Sierra Leone
 シェラレオネ大学
 滞在期間 Duration : 2012/1/4～2012/3/31

教育文化専攻 Division of Educational Development and
 Cultural and Regional Studies
 5名 (内留学生4名) 5(including 4 foreign students)
 教育・研究・公務 Education, Research, Government 4
 民間企業 Private Company 0
 各種団体/財団 Auxiliary Organization 0
 帰国・現職復帰他 Return to home country, etc. 11

採用等
 New IDEC Staff/Members etc

[教員 Academic Staff]

H23.10.1付け

採用 ニラズ プラカシュ ジョシ 特任助教
 Niraj Prakash JOSHI Assistant Professor (Special
 appointment)
 教育文化講座 Department of Educational Development
 and Cultural and Regional Studies

★2011年9月 博士課程前期修了者

Master's Program completed in Sep. 2011

開発科学専攻 Division of Development Science
 43名 (内留学生41名) 43(including 41 foreign students)
 教育文化専攻 Division of Educational Development and
 Cultural and Regional Studies
 15名 (内留学生14名) 15(including 14 foreign students)
 教員 School Teaching 1
 民間企業 Private Company 3
 各種団体/財団 Auxiliary Organization 1
 進学 Proceed to Doctoral Program 6
 帰国・現職復帰他 Return to home country, etc. 46
 公務 Public Administration 1

昇任
 Promotions

[教員 Academic Staff]

H23.10.1付け

張 峻屹 教授
 ZHANG, Junyi Professor
 開発技術講座 Department of Development Technology

入学試験のスケジュール
 Entrance Examination Schedule
 (平成24年4月入学)
 (For April 2012 Enrollment)

1月 4日～1月10日 事前審査受付期間 (対象者のみ)
 1月23日～1月27日 願書受付期間
 2月15日～2月16日 入学試験
 2月23日 合格発表
 Jan. 4-10 Application period for preliminary evaluation
 Jan. 23-27 Application period for entrance examination
 Feb. 15-16 Entrance examination
 Feb. 23 Announcement of admission

修了生の進路
 Career Paths after Graduation

★2011年9月 博士課程後期修了者

Doctoral Program completed in Sep. 2011

開発科学専攻 Division of Development Science
 10名 (内留学生8名) 10(including 8 foreign students)

その他の IDEC の動き
(2011年7月～2011年12月)
 Other Activities and Events at IDEC

■ 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2011 「DEVELOPMENT WITHIN A LOW CARBON WORLD: Preparing Professionals for Policy and Planning Instruments for Green Innovation」を北京師範大学にて開催。(2011/8/4-14)

- GELs International Workshop - Summer Course 2011 was held at Beijing Normal University, China. (2011/8/4-14)

■ 数学教育国際ワークショップを開催

数学教育国際ワークショップをひろしま国際プラザにて開催。(2011/10/6-7)

- International Workshop on Mathematics Education was held at Hiroshima International Plaza. (2011/10/6-7)

■ ホームカミングデイ企画・ワークショップを開催

ホームカミングデイ企画・ワークショップ『「環境と政治」に挑む』を IDEC にて開催。(2011/11/5)

- Home Coming Day - Workshop was held at IDEC. (2011/11/5)

■ ベトナム国家大学機構・教育大学と大学間交流協定を締結

ベトナム国家大学機構・教育大学と大学間交流協定を締結。(2011/11/22)

- Exchange agreement was concluded with The University of Education, Vietnam National University in Hanoi.(2011/11/22)

■ カンボジア国会議員団が IDEC を訪問

カンボジア国会議員団が IDEC を訪問。(2011/12/8)

- IDEC was visited by delegation of Diet members in Cambodia. (2011/12/8)

IDEC 構成員による最近の著書
(2011年7月～12月)
 Books Published by IDEC Faculty
 (from Jul. to Dec. 2011)

(篠田英朗准教授)

藤原帰一ほか(編集)『平和構築・入門』有斐閣コンパクト 2011年(共著)

(都築政起教授)

江坂宗春(監修)『生命・食・環境のサイエンス』「動物との出会いと利用」共立出版 2011年(共著)

(前田照夫教授)

江坂宗春(監修)『生命・食・環境のサイエンス』「生命の誕生と操作」共立出版 2011年(共著)

(ニラズ プラカシュ ジョシ特任助教)

Joshi, Niraj Prakash 『Poverty and Food-Insecurity Analysis in Far-Western Hills of Nepal: A Case of Baitadi District』 Lambert Academic Publishing 2011年(単著)

IDEC 広報委員会 (2011 年度)

◇ IDEC Public Relations Committee 2011-2012 ; 中越信和 (委員長) NAKAGOSHI, Nobukazu (Chairperson), 石原伸一 (副委員長) ISHIHARA, Shinichi (Vice-Chair), 上杉勇司 UESUGI, Yuji, 伊藤高弘 (ニューズレター編集担当) ITO, Takahiro (Editor), 小松悟 KOMATSU, Satoru

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広島大学大学院国際協力研究科 広報委員会

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