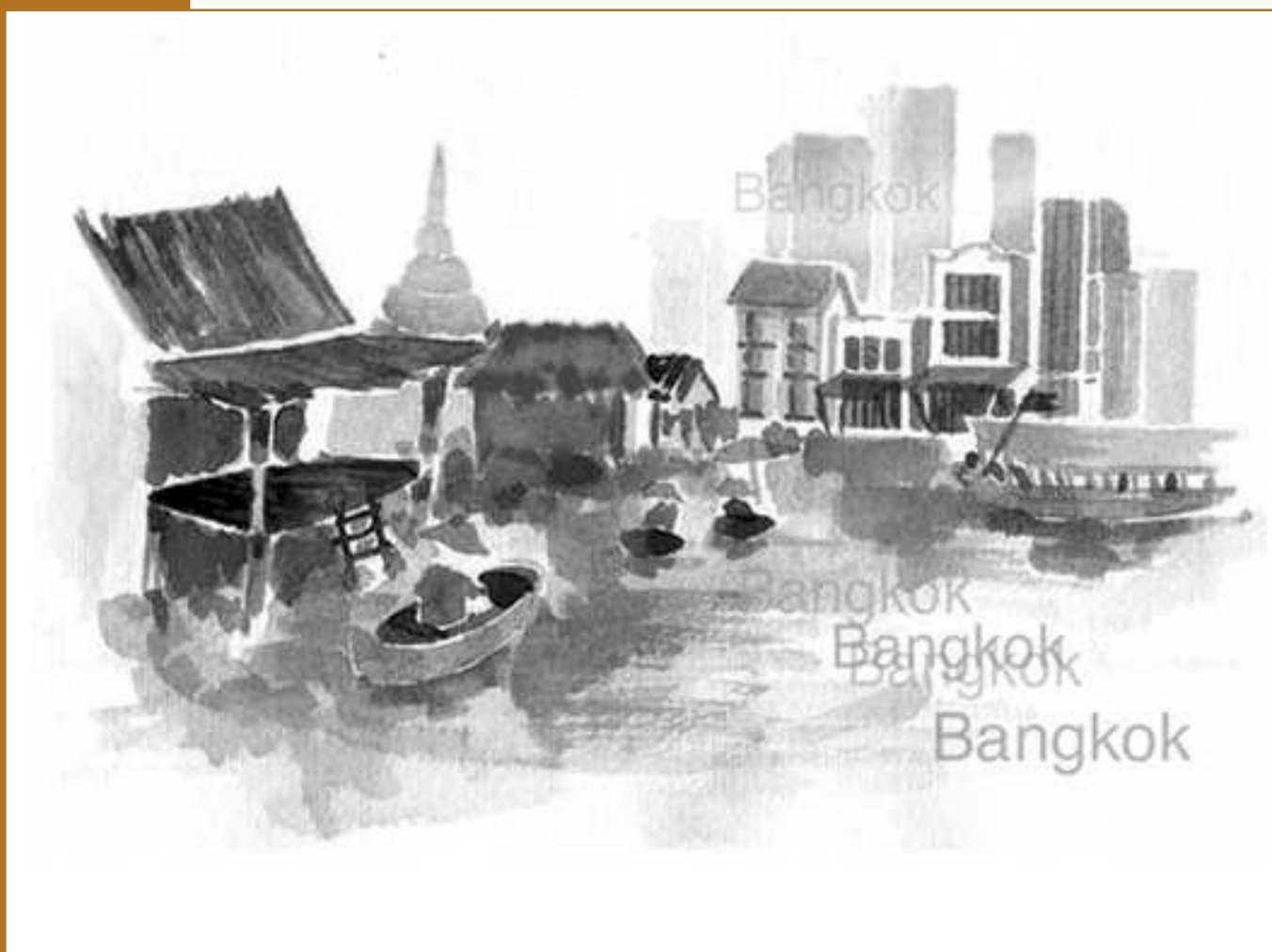




CUC UEM  
TTTP

# The Canadian Universities Consortium (CUC) Urban Environmental Management (UEM) Training and Technology Transfer Program (TTTP) at the Asian Institute of Technology (AIT)

January 2000, No.6



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The CUC is comprised of the Universities of British Columbia, Calgary, Montreal, Waterloo, and York.

Funded by the Canadian International Development Agency (CIDA).

# Message from the Director

Welcome to our newsletter which is designed to provide an insight into the current activities of the Canadian Universities Consortium Urban Environmental Management Projects (CUC UEM). From the discussion in the newsletter you will see there are many initiatives underway as well as the completion of many phases of our work.

The transportation project's demonstration report is complete, the tourism plan for Klong Khwang has been presented to the community, the pre-production work for the Phimai video is complete and filming is now underway, the report by the University of Calgary students related to the environmental impact work in Siem Reap is now in the final editing stages and we are about to hold final meetings on the clean production project in Hua Hin.

A number of new initiatives are underway including a series of integrated urban environmental management projects in Yala, Thailand, development and training work for AMTA (the Agency for Coordinating Mekong Tourism Activities), and initial work on examining the relationship between community development and solid waste management.

We are in the midst of completing the manual for hotels sponsored by the United Nations Environment Program on solid waste and wastewater management. We continue to work with government departments in Thailand, Malaysia and the Philippines on assessing the feasibility for the Blue Flag program in Asia.

The organizational work is near completion on an important workshop on sustainable cities with an emphasis on solid waste under the sponsorship of Environment Canada. The workshop will take place March 6 – 8, 2000 at AIT and is discussed later in the newsletter.



Steering Committee members engrossed in their deliberations

We are also all working, in cooperation with a wider range of partners, on the November 2000 conference on Sustainable Community Tourism Destination Management.

In addition, the Urban Environmental Management Field of Study at AIT has produced its first newsletter. Please contact us if you would like a copy. The Field of Study welcomed over 20 students in the Masters program in January and now has seven students enrolled in its Ph.D. program.

Our CIDA Project Officer, Mr. Robert Langevin, has moved on to another responsibility in CIDA Ottawa. We wish to sincerely thank Robert for his incredible support and advice and wish him luck in his new position.

In November the Project held its annual Steering Committee Meeting with CIDA representatives. This is an important event since it allows us to review our activities and to plan for the coming year. At the Steering Committee Meetings we had the pleasure of getting to know our new Project Officer, Mr. Bob Odeh. We are very fortunate in having such a senior and experienced person to work with us at this crucial time in the development of the Project. We very much look forward to working with Mr. Odeh. A short biography of Mr. Odeh can be found later in this newsletter.

We wish to welcome Khun Sumitra Phanijkul (Pook) to the CUC team with specific duties related to the Yala Project but who will also be assisting us in our other project work. We also welcome Mr. Amit Kelovkar who is working on the manual for hotels and will later take responsibility for alternative technologies in the tourism industry.

We hope that you will enjoy our newsletter and if you should have any questions please do not hesitate to contact us.

Sincerely

Walter Jamieson



## Bob Odeh, New CIDA Project Officer

Mr. Odeh was formerly Chief UN Observer in Iraq and has devoted his career since 1968 to international development. He has been in Canadian and international public service for more than thirty years. His tour of duty has included three years as Economic Adviser in Kuwait with the World Bank, and seven years as Chief Economist in Geneva with International Telecommunication Union. In addition he participated in numerous multi-disciplinary and sectoral missions to some fifty developing countries and twenty-five advanced countries - in Asia, Africa, and central/eastern Europe - with CIDA, UNDP and various UN specialized agencies. Previous posts at CIDA included Africa and Middle East Branch and South Asia, Pakistan/Afghanistan program.

Mr. Odeh holds a B.A. in Economics from the American University of Beirut, a M.A. in Development Economics from the University of Toronto, a post graduate Diploma in International Cooperation from the University of Ottawa, and a Country Program Director (CPD) Diploma in International Aid Delivery from CIDA.

## Linking hotels with the Urban Underprivileged

To develop a closed loop waste management system for hotels TTTP has initiated a dialogue with hotels in Bangkok to assess the feasibility of accumulating a portion of their discarded items such as bed sheets, pillow covers, staff clothing, blankets, kitchen ware, uncooked edible vegetables, fruits and other dry food for the benefit of the poor and underprivileged. The role of TTTP will be to link the interested hotels with The Social Action Centre, an NGO in Bangkok, which will set up its collection system from hotels and distribute the items to the poor communities in the city.

## CUC UEM Outreach Series

*"Sustainable Tourism Destination Management: the Cases of Phimai and Klong Khwang, Thailand"*

by Walter Jamieson (Director, CUC UEM TTTP) and Andrea Czarniecki (Coordinator, CUC UEM TTTP).

*"Urban Air Quality Management Plan: A Framework for Development and Implementation"*

by Kamal K. Bhattacharyya, P. Eng.

*"Couran Cove Resort: Lessons in Eco-tourism"*

by Katrina Davey and Jady Smith.

*"Implementing Waste Management Projects Effectively in Laos PDR, Cambodia, Vietnam and Thailand"*

by Jitti Mongkolnchaiarunya.

*"Developing a Strategy to Increase the Participation of Hotels in Environmental Management Programs"*

by Pallavi Mandke (Coordinator, CUC UEM TTTP)

*"Klong Khwang Tourism Development Plan"*

by the CUC UEM TTTP team.

*"A Policy Perspective to Sustainable Cities - Non-Motorized Transport (NMT) in Asia"*

by V. Setty Pendakur, Professor Emeritus, University of British Columbia and President, Pacific Policy & Planning Associates

These can be purchased for 5 us\$ (excluding postage)



# Cumulative Effects Assessment Workshop in Siem Reap

In a series of Environmental Impact Assessment (EIA) workshops in Siem Reap, Cambodia the TTTP held a workshop on Cumulative Effects Assessment, November 18-20, 1999. Along with Dr. Bill Ross, the workshop featured two resource persons from Canada, Mr. Roger Creasey from the Alberta Energy and Utilities Board, and Mr. Robert Powell from the Water Resources and Conservation Board. The workshop exposed participants to concepts, perspectives, causes and management skills and presentation of interesting cases of cumulative effects assessment which stimulated interesting discussion and dialogue. The participants were also involved in two exercises which generated new ideas and encouraged them to think about assessing cumulative effects caused by tourism in Siem Reap.



Participants and presenters at the workshop

His Excellency To Gery, State Secretary of the Ministry of Environment, attended the workshop on the second day and encouraged the participants to participate effectively in the workshop.

The workshop was attended by the same group of 28 participants from the previous workshop held in September 1999. This continued interest of the various organizations and participants ensures complete training of the same persons in the field of EIA.



Participants presenting their group work at the workshop

# Cleaner Production for Hotels Workshop in Hua Hin

The waste management, and EMS training and demonstration held in Hua Hin in October 1999 was enthusiastically received by the participating hotels. To follow up the implementation of waste management and to present an interim report on the hotel audits representatives of TEI and TTTP visited the participant hotels on December 14, 1999.

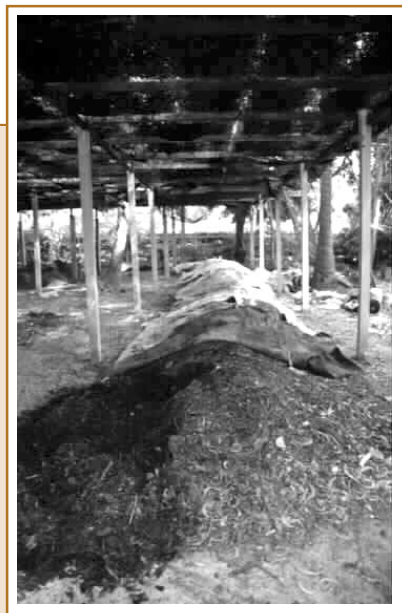
Four hotels have introduced waste separation and composting of organic waste in their hotels as a result of the training in October. The hotels have developed innovative methods to train staff in waste separation and to maintain its composting piles.



An Interim Audit Report Presentation at the Regent Cha-Am Resort



A composting area prepared at the Hotel Methawali



A small portion of this compost pile was created at the Regent Resort during the hands on training in October, 1999

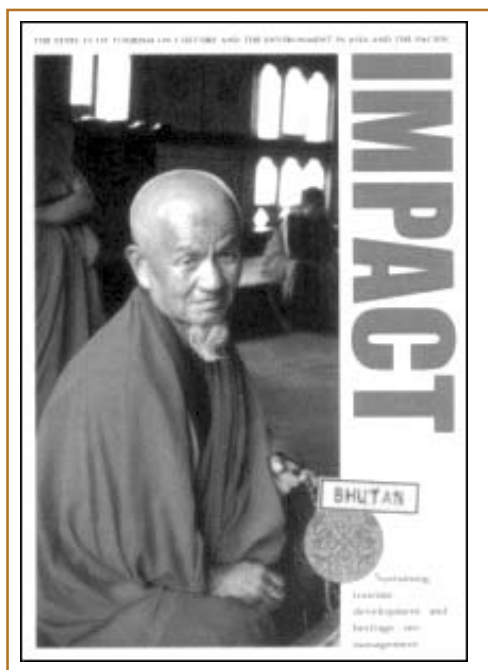
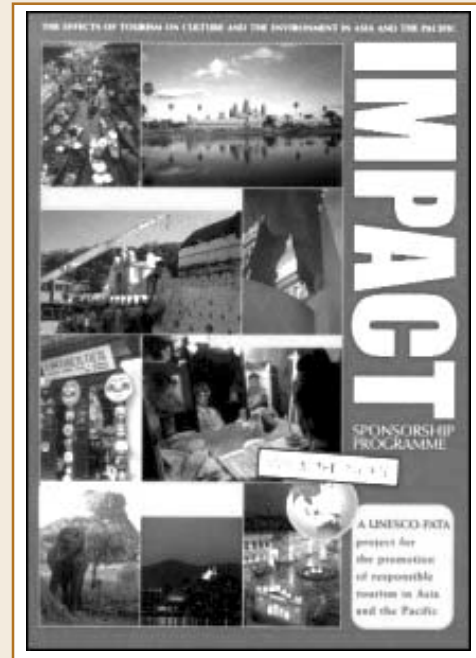
The interim report was presented by TEI to each hotel. The presentation at each hotel was attended by about 10 staff members including the chief engineer, various department heads and other staff.

The next step in the project will be the production of two manuals on composting and EMS in February 2000.

Further the project will move this micro level experience from the hotels to develop a strategy for Cleaner Production at the municipal level.

# Collaboration between UNESCO and TTTP on Impact Project

The explosion of tourism in Asia and the Pacific has created a multitude of opportunities for many local communities, paving the way for economic development and has heightened cultural awareness. Unfortunately, at the same time, uncontrolled mass tourism is also causing irreversible damage to many World Heritage Sites and living cultural landscapes. A co-ordinated strategy is needed to preserve the benefits of tourism for future generations to guarantee that sites are not damaged beyond repair and to ensure that thousands of years of history remain with us forever. TTTP is collaborating with UNESCO and Pacific Asia Travel Association (PATA) and in the publication of "IMPACT", a case study in Luang Prabang, Lao PDR. The goal of the publication will examine exactly how tourism has affected culture and the environment in Asia and the Pacific.



IMPACT aims to:

- (1) encourage tourism activities which are environmentally friendly, socially acceptable and economically sustainable;
- (2) promote responsible tourism in heritage sites and living cultural landscapes;
- (3) provide guidance to heritage site managers on how to promote and present their sites to visitors as well as how to preserve their sites from the potential effects of tourism.

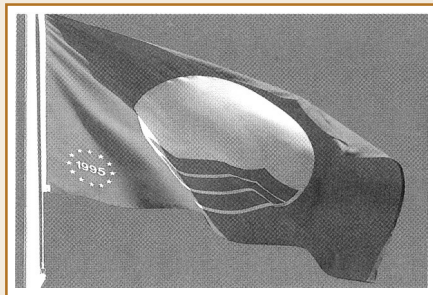
# Village-Based Tourism Project in collaboration with Agency for Coordinating Mekong Tourism Activities (AMTA)



A discussion with a villager in Hang Phong Village, Vietnam

It was reported in Newsletter #5 that the TTTP was involved in establishing frameworks for tourism planning and development in two communities - Hong Phong village, Vietnam and Had Bai village, Thailand. A situation analysis has been done for these two villages covering a range of issues, including participation possibilities, the nature of product in each village, overall strategic planning issues and suggested next step. Recently the TTTP has committed to two other communities in Lao PDR and Cambodia.

## Blue Flag



AWARDS FOR IMPROVING THE COASTAL ENVIRONMENT

The November issue of the newsletter reported that the CUC UEM Project has an agreement with UNEP for the "Completion of the Blue Flag Campaign Feasibility Evaluation in the Asia-Pacific Region and a publication on waste management. We are now on the process of gathering relevant information and perspectives from stakeholders on the Blue Flag feasibility, including government authorities as well as the private sector. By early February, the CUC UEM plans to visit each participant country for discussions regarding issues related to the Blue Flag. We are working on a waste management manual along with Dr. A. Sathasivan from the UEM FoS. The manual will effectively deal with waste-related problems faced by the tourism sector and in particular the tourist facility providers. The manual will deal particularly with solid waste and wastewater, and will guide the user through various aspects of managing waste effectively and profitably. A short video will also be produced. This Blue Flag project is expected to be completed by the end of February 2000.

# Study Tour to Thailand by the Federation of Canadian Municipalities (FCM)



Mr. Basile Gilbert, Deputy Director of the FCM International Program, organized a "Study Tour to Thailand" for the Association of Provincial Cities of Vietnam. The purpose of this visit was for the Vietnamese authorities to be exposed to important issues facing local government in Thailand, such as public participation and innovations in community governance, and local environmental management. As part of the study tour the participants spent a day at AIT attending presentations by UEM faculty members Prof. Nurul Amin, Dr. Rajan Gengaje, Dr. Willi Zimmermann and Dr. A. Sathasivan.

## Computer Visualization and Tourism Management Seminar

In November 1999, he delivered a course on "Computer Visualization and Tourism Management" at AIT, Chulalongkorn University, and at Phimai's ancient cultural heritage site in Nakorn Ratchasima province for government officers. The seminar was an introduction to the use of computer visualization as a tool for tourism management. The participants had an opportunity to develop an understanding of the theory and practice of CAD (Computer Aided Design), VR (Virtual Reality) and GIS (Geographic Information Systems), and specifically the use of these information technologies as a support system for tourism management and marketing. Issues of representation and presentation of architectural work and archaeological sites using computer technology were discussed in relation to programs designed to preserve cultural sites and promote local tourism. The seminar was very successful, especially for the government officers responsible for the Phimai sanctuary. Dr. Levy will provide further assistance to develop the 3D images of Phimai as part of an interpretative program for the TTTP project aimed to provide relevant information to the tourists for more understanding on the historical site.



Dr. Richard Levy, Associate Professor of Planning and Urban Design, University of Calgary, Canada, sharing his expertise in the use of 3D computer modeling, GIS and computer visualization.



# The Yala Project

In September 1999, the Yala Municipality Administration (YMA) approached the CUC UEM Project for technical assistance in a variety of areas: solid waste management, wastewater treatment, domestic traffic/transportation management, sustainable tourism development, flood protection systems, a feasibility study for an electric tram system for residents and tourists, and informal sector development.



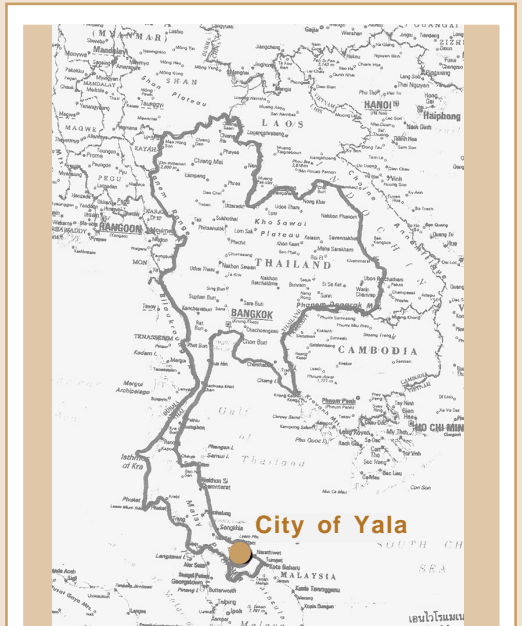
(Above and Left) The MoU signing ceremony was held at Yala Municipal Hall was attended by 230 people including the Vice Governor of Yala, chiefs of various provincial and regional offices, representatives from the Ministry of Interior, local politicians and businessmen, municipality staff as well as representatives from CUC UEM.

Subsequently, The CUC and UEM Field of Study (FoS) at AIT has agreed to work with the YMA, and a Memorandum of Understanding (MoU) between the three parties was signed on December 2nd, 1999, to celebrate the King of Thailand's 72nd birthday.

CUC and the UEM FoS will provide consultancy, facilitation of regular joint meetings; research and development studies; conduct training courses, workshops and seminars; organize study tours; and help establish links between Yala and other regional and international cities, in order to share experiences and develop mutual assistance programs.

YMA has offered to bear all costs related to CUC staff and UEM faculty and student travel, lodging, and other expenses while conducting consultancy, training and research covered by the agreement.

It is anticipated that Yala could serve as a demonstration center for sound urban environmental management, socio-economic and environmental practices, and good governance.



The City of Yala is located on the east bank of the Pattani River in the northern part of Yala Province. It is in the Southern part of Thailand approximately 200 km north of the Malaysian border. It covers an area of roughly 19 km<sup>2</sup> and has a population of about 75,000. Yala City has been repeatedly honored for its high levels of urban planning and development, and is reputed to be one of Thailand's "best living cities." Despite this high praise, however, the administrators still recognize that there are some problems that need to be addressed.



# Garbage for Eggs Project Designed and implemented by residents to strengthen their own Community Organization.

During the past two years, the “Garbage for Eggs Project” has been brought to the attention of the public through the Bangkok English newspaper. It began as a small, locally initiated waste management effort by residents of the “70 Rai Developing Community”, Klong Toey, Bangkok. Every Sunday, between 07.00-09.00 a.m., children, housewives and elderly people take their separated recyclables from their home and exchange them for eggs at the exchange center. The recyclables are then sold to a junk shop operator who picks them up at the center. Income from the sale of recyclables is used to purchase more eggs, for the next operation.

The project started in 1996 from a simple idea of the leaders to solve water logging in the community by removing garbage from the sewerage system and nearby canal. The group recognized that there was no other sustainable solution if part of the garbage is not removed from the waste stream. Eggs were used as an incentive for residents to separate recyclables since August 1997, and the residents are informally taught to keep their community clean.

In late 1999 the project was expanded to 15 other communities. The volume of recyclables exchanged exceeded 123 tons between July and October. The leaders’ dream is to build a recyclables sorting plant in the future when they can expand their project into at least 30 communities. Furthermore, the group has begun an experiment on fermenting organic waste. It is expected that the bacteria generated can be used as fertilizer as well as an odor absorbing substance.



The community exchange their separated recyclables for eggs at the exchange center.

CUC UEM is using this case as a learning ground for its students and other participants of various training courses. The CUC UEM has also helped the community with the printing of a brochure and the production of a video film as requested by them. The services will also provide to other technical and managerial assistance when the organic waste fermentation bacteria needs to be verified and tested in the lab and the recycling plant becomes a reality.

# Urban Environmental Management Workshop

As part of our objective of keeping our readers informed of the Urban Environmental Management Field of Study at AIT we would like to present a short update on one of our new courses. As part of the curriculum review we introduced a workshop that is designed to provide students with the opportunity to put into practice many of the skills and knowledge that they have developed in their course work. The course seeks to help students to work in groups, identify and define problems from the perspective of multi stakeholders, interpret data, and work in a situation where they are forced to provide workable solutions for a particular client.



The problem chosen this year was a municipal solid waste issue. The challenge to the students were asked to develop a solid waste management strategy based on a range of factors. The students were divided into groups and produced excellent work that will be of significant utility to the municipality.

## Welcome new staffs



### Mr. Amit Kelovkar

Mr. Kelovkar has been appointed Research Associate of TTTTP. He has his masters degree in Environmental Sciences from the University of Pune (India). He recently completed his second masters from the Environmental Engineering Program (EEP) at AIT (Bangkok) in the field of water and wastewater engineering. Amit has worked for two years in the field of environmental engineering and environmental management with M/S Kirloskar Consultants (Pune, India) and M/S Aireffdetox.Inc. (Thane, India) in fields ranging from environmental impact studies to designing wastewater treatment plants for reuse applications.

### Ms. Sumitra Phanijkul

We are pleased to introduce "Pook" as an Assistant Coordinator to the CUC UEM. Her responsibility will be to the Yala Municipality Collaboration Project. Pook completed her first degree in 1993, at the Faculty of Science, Chulalongkorn University, Thailand. She recently completed her master degree in Technology of Environmental Management from Mahidol University. Her main tasks cover facilitating communications between CUC.UEM and Yala Municipality, stimulating plan implementation, organizing seminars, study tours and training courses for Yala staff and monitoring progress.



Prior to joining the project, Pook used to work in a publishing company and as a free lance, which also included organizing some workshop courses for the HSD, AIT.



# Environment Canada Workshop

## Creating Sustainable Cities through Urban Environmental Management

On behalf of Environment Canada (EC) the Canadian Universities Consortium Urban Environmental Management (CUC UEM) Project is organizing a workshop on 'Creating Sustainable Cities through Urban Environmental Management' to be held from March 6 - 8, 2000 at AIT, Bangkok, Thailand. The workshop sponsored by Environment Canada is an effort to build capacity within APEC countries to address environmental issues in the future. This workshop will focus on one such critical issue - solid waste management.

The objectives of the workshop are:

- \* To strengthen the network of practitioners who can exchange best practices and tested solutions with municipal decision-makers engaged in solid waste management.
- \* To provide opportunities for participants to be exposed to overall issues of waste management as well as best practices.
- \* To develop a mechanism for ongoing information exchange and capacity building.

To fulfill these objectives the workshop will have deliberations and discussions on 3 main themes - financing solid waste management, good governance for better solid waste management and cleaner production. A computer training session on distance learning, the use of the internet and a panel exhibition of cases in solid waste management will be other attractions of the workshop.

The workshop targets local and central level government officials, policy makers, urban managers, planners and practitioners involved in urban sustainability from cities of Asia and the Pacific.

### Registration fee

Includes meals from evening of 5<sup>th</sup> to noon of 8<sup>th</sup> March, 2000; coffee and snacks from morning of 6<sup>th</sup> to morning of 9<sup>th</sup> March, 2000; workshop kit and field visits

**Baht 3,200/- (US\$ 85/- or CAD \$130/-)**

### Accommodation

AIT Center @ Baht 1,200/room/day/person

**Reservations should be made by the participant directly with the AIT Center at 66-2-524-5250**

### Contact:

Interested participants are requested to contact our secretariat at:  
CUC UEM Project  
Asian Institute of Technology  
P. O. Box 4, Klong Luang,  
Pathum Thani - 12120 THAILAND  
Ph. 66 2 524- 6106 Fax 66 2 516- 2128

Asian Institute of Technology  
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# Coming soon!!

## **International Conference on Sustainable Community Tourism Destination Management**

**27-29 November at AIT, Bangkok, Thailand**

Planning for the Sustainable Community Tourism Destination Management Conference is proceeding most satisfactorily. There have been several organizing meetings with many partners present. The overall structure of the conference will provide participants with a significant level of information and opportunities for discussion. Listed below are the themes that have been developed along with specific topics. If you would like to make a presentation within these particular themes or headings please send us your ideas as quickly as possible. The complete program is expected to be mailed to all interested parties in early July.

A series of study tours are being planned to support the themes of the conference. There will be a small exhibit area and if you are interested in having your organization or project located in the exhibit, please contact Khun Pawinee. We encourage you to put November 27 - 29 in your calendar and look forward to seeing you at the conference!

### **Theme 1:**

#### **Tourism Destination Management and Planning**

- Community Planning and Participation in Tourism Destination Management
- Transportation Planning for Tourism Destination Management
- New Tourism Products
- Interpretation for Tourism Management
- Destination Marketing

### **Theme 2:**

#### **Environmental and Cultural Heritage Management**

- Environmental Management Tools/ Techniques for Destination Management
- The Role of Carrying Capacity in Heritage Management
- Tourism and Culture: Maintaining the Balance
- Interpreting Heritage Resources
- Economics of Cultural Tourism

### **Theme 3:**

#### **Environmental Management for Hotels and Resorts**

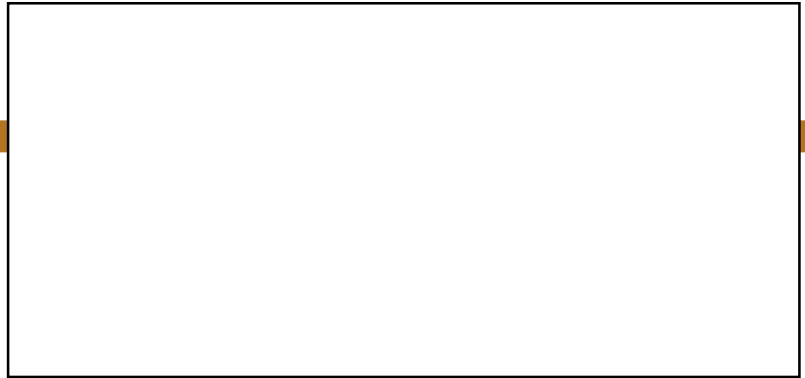
- Certification for Resorts and Hotels
- Environmental Management Tools for Resorts and Hotels
- Alternative Technologies in Managing Tourism Facilities



For further information, please contact the conference secretariat at E-mail address: [cucuem@ait.ac.th](mailto:cucuem@ait.ac.th) or visit our Web site at <http://www.cuc.ait.ac.th>.

Comments on the conference topics are most welcome.

to



# "Surf's UP!!"

Welcome to a new era in urban environmental management.  
The new CUC web page is now launched:  
Explore

< <http://www.cuc.ait.ac.th> >

## Contact us...

The Training and Technology Transfer Program (TTTP), a component of the CUC UEM Project at AIT focuses on practical solutions and capacity building in South East Asia.

For more information, please contact:

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