



**Workshop on  
Watershed Degradation and Restoration of the Lam Phachi River Basin,  
Thailand.**

Held at The Maruay Garden Hotel, Thailand, on November 29, 2002.

Organized and sponsored by Faculty of Engineering, Kasetsart University, Thailand  
and the Institute of Agricultural and Forest Engineering, University of Tsukuba, Japan.



**Schedule**

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| 8.30-8.50   | Registration   |
| 8.50-9.30   | Opening ceremony<br><b>8:50-9:00</b> Report on KU-Tsukuba research collaboration by the Dean of Faculty of Engineering (Dean Nontawat Junjareon)<br><b>9:00-9:10</b> Opening Speech by the Vice President Planning and International Affairs of Kasetsart University (Associate Professor Dr.Sornprach Thanisawanyangkurn )<br><b>9:10-9:20</b> Overview of the workshop by the research team leader (Associate Professor Dr. Hideji Maita)<br><b>9:20-9:30</b> Souvenir presentation to the Vice President for Planning and International Affairs of Kasetsart University by the Dean of Faculty of Engineering and Group photo with the Vice President of Kasetsart University and the research team   |
| 9.30-10.00  | <b>Keynote speech I</b><br>Watershed degradation and hydro-ecological role of western forest complex of Thailand<br>Nipon TANGTHAM (KU)  |
| 10.00-10.30 | <b>Keynote speech II</b><br>Current status and future prospects of farm mechanization in Thailand<br>Suraweth KRISHNASRENI<br>(President of the Thai Society of Agricultural Engineering)  |
| 10.30-10.50 | Coffee break   |
| 10.50-11.30 | <b>Session I --Land and Hydrologic Characteristics--</b><br>Rapporteurs: Hironobu SUGIYAMA (NU) and Shigeo OGAWA (NIRE)<br>Members: Kosit LORSIRIRAT (RID), Varawoot VUDHIVANICH (KU), Andrew C. WHITAKER (NU)<br><br>Papers:<br>1. Factors affecting hydrologic characteristics in the Lam Phachi river basin<br>2. Evaluation of land condition using satellite data   |
| 11.30-12.10 | <b>Session II --Erosion--sedimentation Linkage--</b><br>Rapporteurs: Hideji MAITA (UT) and Tomomi MARUTANI (SU)<br>Members: Mutsuki HIGO (GU), Masanobu KIMURA (GU),<br>Songpol KUMLUNGKENG (RID), Kosit LORSIRIRAT (RID),<br>Boonsong RUANGWATTHAGEE (RID), Nipon TANGTHAM (KU)<br>Additional Comments: Mutsuki HIGO, Masanobu KIMURA and Kosit LORSIRIRAT.<br><br>Papers:<br>1. Human impact on soil erosion in the Lam Phachi river basin: From a viewpoint of infiltration capacity.<br>2. Identifying significant tributaries from human impacted sedimentary system.<br>3. Deformation of riverbed and its causes in the recent quarter century in the Lam Phachi river basin.<br>4. Invasion of woody plants into pineapple fields in the Lam Phachi river basin. |
| 12.10-13.30 | Lunch  |

- 13.30-14.10    **Session III --Agricultural Land Use--**  
 Rapporteur: Tai-ichi SAKUMA(UT)  
 Members: Songpol KUMLUNGKENG(RID), Bancha KWANYUEN(KU),  
 Shigeo OGAWA(NIRE), Masayoshi SATOH(UT), Yukio TOYOMITSU(MU),  
 Prathuang USABORISUT(KU), Varawoot VUDHIVANICH(KU),  
 Additional Comments: Shigeo OGAWA and Yukio TOYOMITSU  
 Papers:  
 1. Development of agricultural land in a hilly area of the Tha Khoei River Basin.  
 2. Soil erosion in the pineapple fields of Bankha District.
- 14.10-14.50    **Session IV --Effective Machine Use Mode--**  
 Rapporteur: Masayuki KOIKE(UT)  
 Members: Banshaw BAHALAYODHIN(KU), Hideo HASAGAWA(UT),  
 Tomohiro TAKIGAWA(UT), Prathuang USABORISUT(KU)  
 Additional Comments: Banshaw BAHALAYODHIN, Tomohiro TAKIGAWA  
 Paper:  
 1. Perspective of the contract hire systems in view of the effective machine use mode  
 --In the case of Mooban Ton Maka, Rachaburi--
- 14.50-15.10    Coffee break  
 15.10-15.40    General discussion by Hideji MAITA, Masayuki KOIKE, Banshaw BAHALAYODHIN and  
 Varawoot VUDHIVANICH  
 15.40-15.50    Closing ceremony  
 Closing speech by the Dean of Faculty of Engineering (Dean Nontawat Junjareon)  
 16.00-17.30    Party

RID: Royal Irrigation Department, Thailand    NU: Niigata University, Japan    SU: Shinshu University, Japan  
 GU:Gifu University, Japan    MU:Miyazaki University, Japan    NIRE:National Institute for Rural Engineering,  
 Japan