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ACCEPTANCE LETTER

June 24, 2015

Assoc. Prof. Dr. Sombat Chuenchooklin
Naresuan University
Thailand

Herewith, the international scientific committee is happy to inform you that the peer-reviewed draft paper code ww4062 entitled (Flood Analysis Model in an Ungauged Catchment of the Large River in Thailand by S. Chuenchooklin, U. Pangnakorn, S. Patamatamkul) has been accepted for oral presentation as well as inclusion in the conference proceedings of the ICFR 2015 : 17th International Conference on Flood Resilience to be held in Paris, France during September, 21-22, 2015. The high-impact conference papers will also be considered for publication in the special journal issues at <http://waset.org/Publications>.

Conference Registration and Writing Formatted Paper:

1. Conference registration documents should be submitted to:
<http://waset.org/apply/2015/09/paris/ICFR?step=2>
2. Word Template File should be Downloaded at
<http://waset.org/downloads/template.docx>
3. Latex Style File should be Downloaded at <http://waset.org/downloads/latex.zip>
4. Copyright Transfer Statement Document should be Downloaded at
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Letter of Invitation and Visa Requirements:

If you need an invitation letter to get an entrance Visa, please fill in the online form to get a letter at <http://waset.org/apply/2015/09/paris/ICFR?step=1>.

We look forward to your participation in the ICFR 2015 : 17th International Conference on Flood Resilience.

Sincerely,

International Scientific Committee

ICFR 2015 Paris, France

<http://waset.org/conference/2015/09/paris/ICFR>



WORLD ACADEMY OF SCIENCE,
ENGINEERING AND TECHNOLOGY

Your Acceptance Letter

waset.org web site <noreply@waset.org>

Wed 6/24/2015 1:47 PM

To: Sombat Chuenchooklin <sombatc@nu.ac.th>;

Dear Assoc. Prof. Dr. Sombat Chuenchooklin,

We are happy to inform you that your paper entitled "Flood Analysis Model in an Ungauged Catchment of the Large River in Thailand" has been accepted for "ICFR 2015: International Conference on Flood Resilience" to be held on Sep 21-22, 2015 in Paris, France.

Acceptance Letter in letterhead can be downloaded from [here](#).

We are looking forward to meet you at the conference.

If you have any questions please contact us with using [waset.org messaging system](#).

Best regards,

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Flood Analysis Models in an Ungauged Catchment of the Large River in Thailand

Abstract— A small catchment is usually considered as the prediction in ungauged basin (PUB) which is lack of observation of the hydrological data. Therefore, inefficiency in flood management has been reported. The Pua watershed, one of many tributary of the Nan River in the Great Chao Phraya Basin was chosen for this study. It was a catchment area of 404 square kilometers in the Upper Nan River Basin. Its annual surface runoff of 578 million cubic meters is produced by the Pua with a higher rate per unit area than the other catchments of the Nan. Its commanded area covers of 9 sub-districts in Pua District in Nan Province and serves all kinds of water uses in all year round. The most severely flood happened in 2006. Therefore, the measures to challenge flood problems as flood preparedness as a better flood management plan of the local sub-district administrative organizations (LAO) and sub-district municipalities (SM). It included the improvement of prediction of flood in smaller watersheds by using the non-structural measures. This study applied the integrated flood analysis system tool (IFAS) and compared to the implemented for synthesizing the flood hydrographs from rainfall data during flood in 2006 with the hydrologic modeling system (HMS). The simulation results of the hydrographs from both models based on a daily basis were almost similar patterns in accordance with observed data. The river analysis system model (RAS) in the case of unsteady flow analysis was applied in order to study flood behaviors and flood delineation on the daily basis as well. Those models were capable and can be further applied for flood extent and mappings as for efficiently flood management in each LAO and SM as well.

Keywords— Flood analysis, ungauged basin, IFAS, HMS, RAS.