



PROGRAM BOOK

THE 21st INTERNATIONAL SYMPOSIUM ON WIRELESS PERSONAL MULTIMEDIA COMMUNICATIONS (WPMC 2018)

NOVEMBER 25-28, 2018

MAE FAH LUANG UNIVERSITY
CHIANG RAI, THAILAND



WPMC



National Institute of
Information and
Communications
Technology



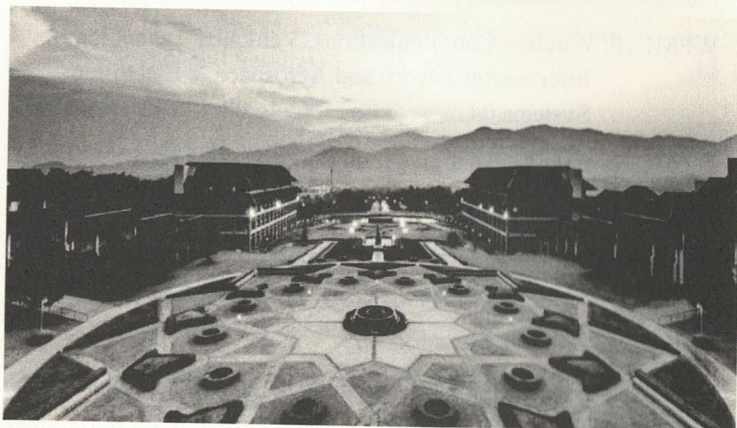
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About WPMC 2018



The 21st International Symposium on Wireless Personal Multimedia Communications (WPMC 2018) will be held in Chiang Rai, Thailand from November 25 - 28, 2018; as part of the celebrations of MFU's 20th anniversary. The theme of this year's conference is "Borderless Smart Society ". The event is co-hosted by Mae Fah Luang University (MFU), National Institute of Information and Communications Technology (NICT), Yokosuka Research Park (YRP) and CTIF Global Capsule (CGC).

The WPMC symposia series were inaugurated in 1998, as a global platform which aims at enabling collaboration in the field of wireless information. Held in Asia, Europe and America, WPMC has established itself as a unique global conference dedicated to wireless multimedia convergence. Continuing the series, the 21st WPMC will bring together academia, industries and standardization bodies to explore activities, trends and future challenges towards ICT globalization for health and wellness issues in existing and future wireless technologies.

A key emphasis of this year's conferences is a borderless smart society - bridging across industries, public and private companies,

universities, research labs, and other knowledge societies in the exploration of the newest wireless technologies pursuing new ways of living as well as innovative and sustainable solutions for the future.

Message from General Chair



It is my great pleasure to give to you all the welcome message for the participants of the WPMC 2018. The 21st International Symposium on Wireless Personal Multimedia Communications (WPMC 2018) is launched at Mae Fah Luang University, Chiang Rai during November 25 – 28, 2018.

This international conference is intended to create an opportunity for researchers, developers, designers, engineers and technologists to exchange ideas and discuss development in wireless communication technology and related areas to strengthen the growth of sustainable development. We have received great honors from well-known keynote speakers who are experts in this technical field. Hopefully, participants may not only enjoy the research trend update from the keynote speakers, but also indulge yourself in the discussion on advanced research topics with the presenters in oral, tutorial, and special sessions. The organizing committee had provided a lovely welcome party near the venue on the first day. In order for each participant to get to know each other before starting the sessions, there will be a wonderful banquet as a formal ceremony at one of Mae Fah Luang University highlight locations in the third evening.

On behalf of the organizing committee, I would like to express my sincere gratitude to all of the sponsors, especially Japan's National Institute of Information and Communications Technology and Yokosuka Research Park. I would also like to convey my gratitude to the authors, reviewers, organizing committee, and many other people who worked hard behind the scene to ensure the completeness of the WPMC 2018. I am looking forward to welcoming you all at the venue of WPMC 2018.

Assoc. Prof. Dr. Chayaporn Wattanasiri
Vice President of Mae Fah Luang University
General Chair of WPMC 2018