



บันทึกข้อความ

ส่วนราชการ สถาบันวิจัยและพัฒนา มหาวิทยาลัยเทคโนโลยีราชมงคลล้านนา

โทรศัพท์ ๐ ๕๓๒๖ ๖๕๑๘ ต่อ ๑๐๒๒ โทรสาร ๐ ๕๓๒๖ ๖๕๒๒

ที่ ศธ ๐๕๘๓.๐๑(๐๖)/ว ๒๕๖๐

วันที่ ๒๒ พฤศจิกายน ๒๕๕๙

เรื่อง ขอความอนุเคราะห์ประชาสัมพันธ์และเชิญส่งบทความนำเสนอในการประชุมวิชาการนานาชาติ

เรียน รองอธิการบดี มทร.ล้านนา ทุกพื้นที่/ผู้อำนวยการสถาบันวิจัยเทคโนโลยีเกษตร/คณบดีทุกคณะ/
ผู้อำนวยการวิทยาลัยเทคโนโลยีและสหวิทยาการ

ด้วย มหาวิทยาลัยเทคโนโลยีราชมงคลล้านนา กำหนดจัดการประชุมวิชาการนานาชาติ The 1st International Symposium on Application of High-voltage, Plasma & Micro/Nano Bubbles to Agriculture and Aquaculture (ISHPMNB2017) ระหว่างวันที่ ๕-๖ มกราคม ๒๕๖๐ ณ อาคารเฉลิมพระเกียรติ ๕๖ พรรษา มหาวิทยาลัยเทคโนโลยีราชมงคลล้านนา เพื่อเป็นเวทีเผยแพร่ผลงานวิจัยนวัตกรรมสู่สังคม ตลอดจนเกิดเวทีแลกเปลี่ยนเรียนรู้ เครือข่ายการวิจัยในด้านการประยุกต์ใช้ไฟฟ้าแรงสูง พลาสมาและไมโครนาโนบับเบิลเพื่อการเกษตรและการประมง ยกระดับและพัฒนาคุณภาพงานวิจัยให้มีมาตรฐานเป็นที่ยอมรับในระดับนานาชาติ

มหาวิทยาลัยเทคโนโลยีราชมงคลล้านนา จึงขอความอนุเคราะห์ประชาสัมพันธ์และเชิญส่งบทความนำเสนอในการประชุมวิชาการนานาชาติให้บุคลากรในสังกัดทราบ โดยผู้ที่สนใจสามารถโหลดแบบฟอร์มและลงทะเบียนส่งบทความผ่านระบบออนไลน์ ได้ตั้งแต่บัดนี้ ถึงวันที่ ๓๐ พฤศจิกายน ๒๕๕๙ ทางเว็บไซต์ <http://hvpmnb.rmutl.ac.th/symposium> ติดต่อสอบถามรายละเอียดเพิ่มเติมได้ที่สถาบันวิจัยและพัฒนา หมายเลขโทรศัพท์ ๐ ๕๓๒๖ ๖๕๑๘ ต่อ ๑๐๒๒ หรือทางอีเมล ishpmnb2017@gmail.com

จึงเรียนมาเพื่อโปรดพิจารณา

(นายภาสวรรณ วัชรดำรงศักดิ์)

รองอธิการบดีด้านวิจัยและการถ่ายทอดเทคโนโลยี ปฏิบัติราชการแทน
อธิการบดีมหาวิทยาลัยเทคโนโลยีราชมงคลล้านนา



**The 1st International Symposium
On application of High-voltage, Plasmas & Micro/Nano Bubbles
to Agriculture and Aquaculture**

January 5-6, 2017
at Rajamangala University of Technology Lanna,
Chiang Mai, THAILAND

CALL FOR PAPER

Topic Areas

- Basic Plasma Science and Technology for application to Agriculture, Aquaculture, and Food Safety.
- High voltage and Plasma Bioscience and Technologies for Pre-harvest, Post-harvest, and Food Safety
- Micro/Nano Bubble Technologies for application to Agriculture, Aquaculture and Food Safety.
- Innovative integrated Micro/Nano Bubble and High voltage, Plasma Technologies for advanced application to Agriculture, Aquaculture and Food Safety.

Important Dates

- | | |
|--------------------------------------|--------------------------|
| ▪ Abstract Submission Deadline | November 30, 2016 |
| ▪ Notification of Abstract Acceptant | December 10, 2016 |
| ▪ Registration Deadline | December 20, 2016 |
| ▪ Symposium Dates | January 5-6, 2017 |

Registration Fee

1. Free of charge
2. As we are planning to distribute the brochure of abstracts at the symposium, presenters are requested to submit 1-page abstract according to the attached template shown on the last page not later than **Nov.30, 2016**, to the following address; ishpnmb2017@gmail.com

Contact us:

- **Email:** ishpnmb2017@gmail.com
- **Website:** <http://hvpmnb.rmutl.ac.th/symposium>



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IS HPMNB

REGISTRATION FORM

**1st International Symposium
on Application of High-voltage, Plasmas & Micro/Nano Bubbles
to Agriculture and Aquaculture (RMUTL 1st ISHPMNB 2017)**

January 5-6, 2017

at Rajamangala University of Technology Lanna, Chiang Mai, THAILAND

ATTENDEE DETAILS

TITLE	
NAME	SURNAME
ADDRESS	
PHONE	EMAIL
AFFILIATION	
EXPERTISE	
PARTICIPANT DATES	<input type="radio"/> January 5, 2017 <input type="radio"/> January 6, 2017 <input type="radio"/> January 5 - 6, 2017
RECEPTION January 5, 2017	<input type="radio"/> Yes <input type="radio"/> No

** If you have any special dietary needs or any disabilities for which special attention is required please advise the organizers of your requirements.....

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**HOTEL RESERVATION**

ARRIVAL DETAILS	ARRIVAL DATE	DEPARTURE DATE
Rate: 1,000 THB (including breakfast) **Getzleep Hotel website: http://getzleep.com/	<input type="radio"/> January 4, Wed. <input type="radio"/> January 5, Thu. <input type="radio"/> January 6, Thu.	<input type="radio"/> January 6, Fri. <input type="radio"/> January 7, Sat.

Please fill in the appropriate details and choices for reservation,
Email to ishpnmnb2017@gmail.com not later than Dec.15, 2016



<http://hvpnmnb.rmutl.ac.th/symposium>

1st International Symposium on Application of High-voltage, Plasmas & Micro/Nano Bubbles to Agriculture and Aquaculture (ISHPMNB 2017)

Paper Title

Author

Department, Faculty,
University
Email address

Introduction – this document is a template and request to submitted 1 page abstract. An electronic copy can be download from the symposium website.

Page layout – an easy way to comply with the symposium paper formatting requirements is to use this document as a template and simply type your text into it.

Paper must use a page size corresponding to A4 which is 210mm wide and 297mm long. The margins must be set as follows: top 25.4mm, bottom 25.4mm, left and right 25.4mm. Your paper must be in two columns format with a space of 4.22mm between columns.

Page style – all paragraphs must be indented. The entire document should be in Cambria font. Title must be in 14pt bold font, Author name must be in 12pt bold font, Department must be in 11pt regular font, Faculty must be in 11pt regular font and University must be in 11pt regular font.

All title and author details must be in single-column format and must be centered. Every words in a title must be capitalize except for short minor word. Author details must not show any professional title, any academic title.

Reference – all the reference items must be in 11pt regular font. Number the reference items consecutively in bracket (e.g. 1)).
1) title; field

Figure and Tables –Figure caption must be in 10pt regular font and must be centered in the column, as shown in Fig.1

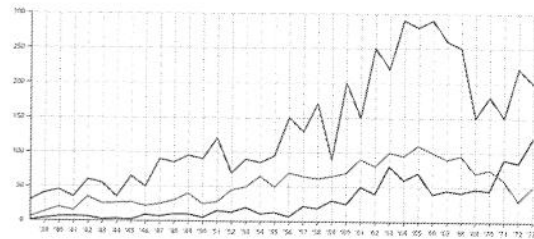


Fig.1 A simple line graph using colors which contrast well both on screen and on a black-white hardcopy

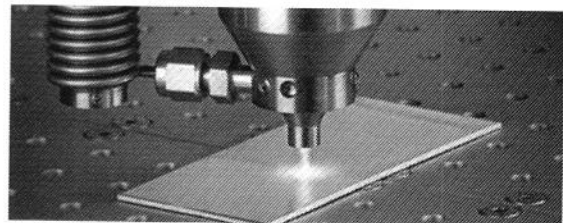


Fig.2 Example of an image with acceptance resolution.



ISHPMNB

**1st International Symposium
On Application of High-voltage, Plasmas & Micro/Nano Bubbles
to Agriculture and Aquaculture (ISHPMNB 2017)**

January 5-6, 2017

Rajamangala University of Technology Lanna, Chiang Mai, Thailand

Dear Colleagues

We are pleased to announce that Rajamangala University of Technology Lanna is going to hold the **1st International Symposium on Application of High-voltage, Plasmas & Micro/Nano Bubbles to Agriculture and Aquaculture (RMUTL 1st ISHPMNB 2017), January 5-6, 2017, at Rajamangala University of Technology Lanna, Chiang Mai, Thailand.**

The objectives of the symposium are to survey and exchange knowledges of the current advanced technologies applicable to agriculture and aquaculture including food safety in Thailand. In particular, topics are focused on high-voltage, plasmas & micro/nano bubbles technologies.

Experts from foreign countries will be invited to deliver keynote speeches in these emerging innovative fields. Also, recent research results conducted by Thai and foreign researchers will be presented.

We are all looking forward to welcoming you in Chiang Mai, Thailand, very soon. Your participation would be highly appreciated.

Best regards,

Assoc. Prof. Dr. Numyoot Songthanapitak
President
Rajamangala University of Technology Lanna



IMPORTANT NOTICE

As we are planning to distribute the brochure of abstracts at the time of symposium, presenters are requested to submit 1-page abstract according to the attached template shown on the last page not later than **Nov.30, 2016**, addressed to:

The organization committee,
E-mail address: ishpnmb2017@gmail.com
Research and Development Institute,
Rajamangala University of Technology Lanna, ChiangMai, THAILAND

SYMPOSIUM TOPICS

- Basic Plasma Science and Technology for application to Agriculture, Aquaculture, and Food Safety.
- High voltage and Plasma Bioscience and Technologies for Pre-harvest, Post-harvest, and Food Safety.
- Micro/Nano Bubble Technologies for application to Agriculture, Aquaculture and Food Safety.
- Innovative integrated Micro/Nano Bubble and High voltage, Plasma Technologies for advanced application to Agriculture, Aquaculture and Food Safety.

SYMPOSIUM SCOPE

The 1st International Symposium on Application of High-voltage, Plasmas & Micro/Nano Bubbles to Agriculture and Aquaculture, (RMUTL 1st ISHPMNB 2017) will be held at Rajamangala University of Technology Lanna, Chiang Mai, Thailand, January 5-6, 2017.

This symposium is initiated to provide an open forum for the introduction and discussion of the most current status of innovative scientific and technological achievements in the interdisciplinary versatile fields of high-voltage, plasmas and micro/nano bubbles applied to agriculture, aquaculture and food safety.

In ISHPMNB 2017, the scope covers an interdisciplinary variety of high voltage, plasma and micro/nano bubble technologies including (but not limited to) newly-developed innovative devices, application processes, and integration technologies of both high voltage, plasma and micro/nano bubble technologies.

To develop these innovative technologies for the advanced practical devices, the understanding and development of basic and new high voltage, plasma and micro/nano bubble technologies are essential and rather inevitable. Also feedback between engineering and agricultural researchers is strongly encouraged to accelerate the researches.

In this context, this ISHPMNB 2017 is very unique and most useful in developing rapidly emerging and innovative technologies relating to both high voltage, plasma and micro/nano bubble technologies applied to agriculture, aquaculture and food safety.

In RMUTL 1st ISHPMNB 2017, through the symposium topics related to interdisciplinary fields, we will provide a forum sharing the research achievements in the fields related to high voltage, plasma and micro/nano bubble R&D. Also, key note lectures with novel topics which draw more



attention to high voltage, plasma, micro/nano bubble-related R&D communities will no doubt provide more in-depth discussion and understanding on these related R&D directions.

CONFERENCE TOPICS

Special session: January 5, Thursday

Keynote speeches (all tentative)

- **“Plasma and pulsed power applications to agriculture, fishery and food Processing”**
Keynote speaker: Professor Koichi TAKAKI, Iwate University, Japan.
- **“Smart agriculture technologies in Taiwan (Tentative)”**
Keynote speaker: TBD
- **“Fundamentals and Application of Micro/Nano Bubbles. “**
Keynote speaker: Professor Akimi SERIZAWA, Kyoto University, Japan.

IMPORTANT DATES

- | | |
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AGENDA

**1st International Symposium
on Application of High-voltage, Plasmas & Micro/Nano Bubbles
to Agriculture and Aquaculture (RMUTL 1st ISHPMNB 2017)**

January 5-6, 2017

at Rajamangala University of Technology Lanna, Chiang Mai, THAILAND

JANUARY 5 (THU), 2017

Meeting Room, 5 Flr, Chalermprakiat 56 years Building, RMUTL

08.30		Registration
09.00	09.20	Welcome : opening address <ul style="list-style-type: none"> • Assoc. Prof. Numyoot Songthanapitak, RMUTL President • Pawin Chamniprasart, Chiang Mai governor
09.20	10.20	Perspectives of Thai Agriculture and Aquaculture in the Future <ul style="list-style-type: none"> • Pisan Pongsapich, Deputy Secretary – General, National Bureau of Agriculture Commodity and Food Standards.
10.20	10.30	Coffee Break
10.30	12.00	“Plasma and Pulsed Power Applications to Agriculture, Fishery and Food Processing” <ul style="list-style-type: none"> • Keynote speaker: Prof. Koichi Takaki, Iwate University, Japan.
12.00	13.00	Lunch
13.00	14.30	“Smart Agriculture Technologies in Taiwan (Tentative)” <ul style="list-style-type: none"> • Keynote speaker: TBD**
14.30	14.40	Coffee Break
14.40	16.10	“fundamentals and application of micro/nano bubbles” <ul style="list-style-type: none"> • Keynote speaker: Prof. Akimi Serizawa, Kyoto University, Japan.
16.10	16.30	Research activities on high-voltage, plasma & micro/nano bubbles to agriculture and aquaculture and international collaborations <ul style="list-style-type: none"> • Assis. Prof. Chanchai Dechthummarong, RMUTL, Chiangmai. • Assis. Prof. Vishnu Thonglek, RMUTL, Chiangmai. • Assoc. Prof. Chiti Sritontip, Agricultural Technology Research Institute, Lampang.
17.00		Reception

JANUARY 6 (FRI), 2017

Room 1-3, 3 Flr. At Chalermprakiat 56 years Building, RMUTL

08.30	09.00	Registration
09.00	12.00	Paralleled Session Session 1 Session 2 Session 3
12.00	13.00	Lunch
13.00	16.30	Paralleled Session Session 1 Session 2 Session 3

** Schedule is subject to change as appropriate **

Session 1: High-Voltage, Plasma Application to Agriculture and Aquaculture
 Session 2: Micro/Nano-Bubbles application to Agriculture and Aquaculture
 Session 3: Technology transfer to the public