



International Conference on Southeast Asian Weather and Climate 2013  
"ASEAN Adapting Climate Change"

มหาวิทยาลัยราชภัฏพระนคร  
รับเลขที่ 3483  
วันที่ 29 ก.ค. 2556  
เวลา 16.05

ที่ สข ๑๐๕๕๖/ ๑ ๐๒๓๗๗

๑ ถนนรัตนโกสินทร์  
ตำบลวัดเกต อำเภอเมือง  
จังหวัดเชียงใหม่ ๕๐๐๐๐

๓ พฤษภาคม ๒๕๕๖

เรื่อง เรียนเชิญเข้าร่วมการประชุมทางวิชาการนานาชาติ ว่าด้วยสภาพอากาศและภูมิอากาศ เอเชียตะวันออกเฉียงใต้  
(The 2<sup>nd</sup> International Conference on Southeast Asian Weather and Climate), (ICSA-WC2013)

คณะวิทยาศาสตร์และเทคโนโลยี  
มหาวิทยาลัยราชภัฏพระนคร  
รับเลขที่ 13159  
วันที่ 6 ก.ค. 2556  
เวลา 10.49

เรียน อธิการบดีมหาวิทยาลัยราชภัฏพระนคร

สิ่งที่ส่งมาด้วย รายละเอียดโครงการการประชุมวิชาการนานาชาติ ว่าด้วยสภาพอากาศและบรรยากาศ  
ในเอเชียตะวันออกเฉียงใต้ จำนวน ๑ ชุด

ด้วยมูลนิธิต้นไม้สีเขียวร่วมกับ มหาวิทยาลัยราชภัฏเชียงใหม่ ศูนย์อุตุนิยมวิทยาภาคเหนือ องค์การพิพิธภัณฑ  
วิทยาศาสตร์แห่งชาติ สถาบันส่งเสริมการสอนวิทยาศาสตร์และเทคโนโลยี กรมฝนหลวงและการบินเกษตร Yunnan  
Province Meteorological Society ประเทศสาธารณรัฐประชาชนจีน และ Queensland University of Technology  
ประเทศออสเตรเลีย ได้กำหนดจัดการประชุมทางวิชาการนานาชาติ ว่าด้วยสภาพอากาศและภูมิอากาศเอเชียตะวันออกเฉียงใต้  
(The 2<sup>nd</sup> International Conference on Southeast Asian Weather and Climate), (ICSA-WC2013) ระหว่าง  
วันที่ ๒๗-๒๙ พฤศจิกายน ๒๕๕๖ ณ โรงแรมเลอเมอริเดียน เชียงใหม่ (Le Meridien Hotel, Chiang Mai)

ทั้งนี้เพื่อให้เกิดประโยชน์ทั้งทางวิชาการ และการพัฒนางานวิจัยในด้านที่เกี่ยวข้อง จึงขอเรียนเชิญผู้บริหาร  
คณาจารย์ นักวิจัย นักวิชาการ บุคลากร และผู้ที่สนใจในสถาบันของท่าน เข้าร่วมการประชุมดังกล่าว ตามรายละเอียด  
ในสิ่งที่ส่งมาด้วย โดยสามารถรับข้อมูลเพิ่มเติม และลงทะเบียนเข้าร่วมประชุมได้ที่ [www.icsaforum.org](http://www.icsaforum.org)

จึงเรียนมาเพื่อโปรดพิจารณา

๑. อธิการบดี (สามารถ) ...  
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ขอแสดงความนับถือ

(ศาสตราจารย์เกียรติคุณ ดร.มนัส สุวรรณ)

ประธานคณะกรรมการจัดการประชุมฯ



ฝ่ายประสานงาน ดร.ณรงค์พันธ์ คุณรัมย์ โทร. ๐ ๘๒๐๓ ๔๕๔๑ ๕  
คุณ ประเมษฐ์ บันสิทธิ์ โทร. ๐ ๘๑๑๕ ๖๒๖๒ ๕ , ๐ ๘๑๑๓ ๐๖๖๓ ๓  
มูลนิธิต้นไม้สีเขียว โทร. ๐ ๕๓๒๔ ๐๓๓๓

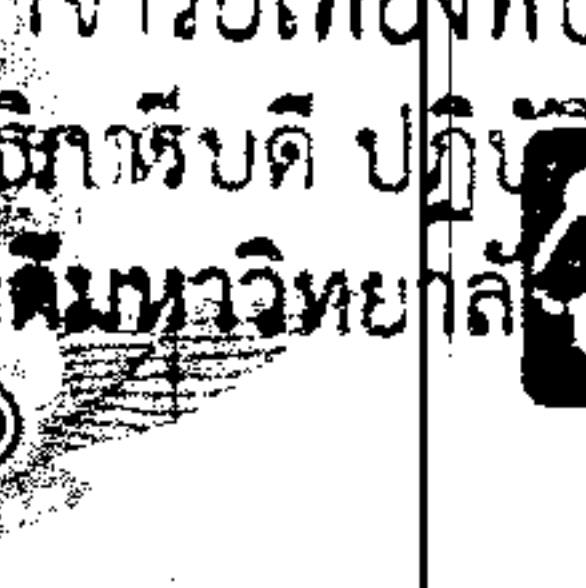
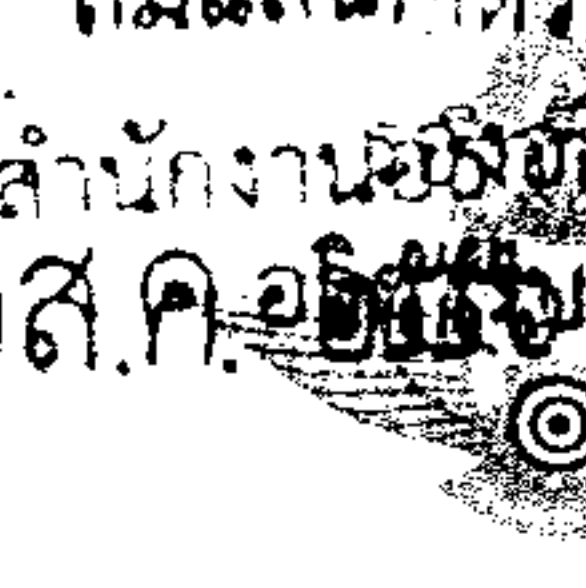
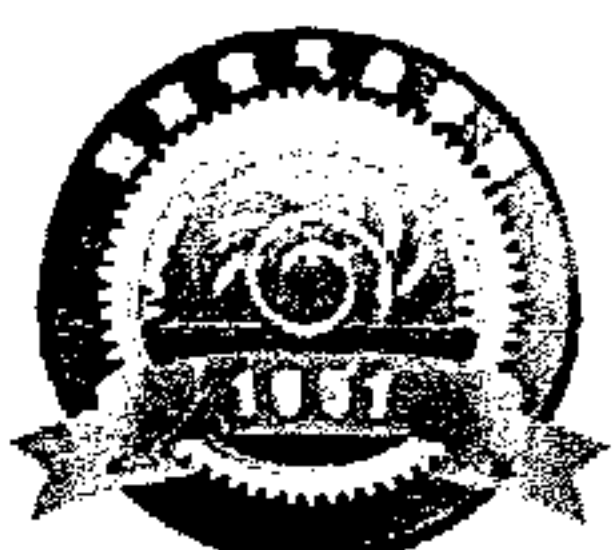
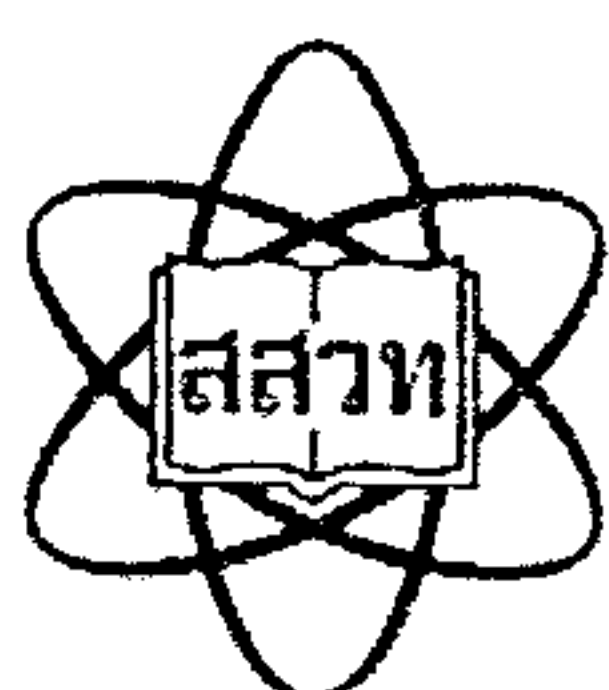
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(บางคุณหญิง สมแสน) ศาสตราจารย์เพียงพบ มนต์นวลปรังก์



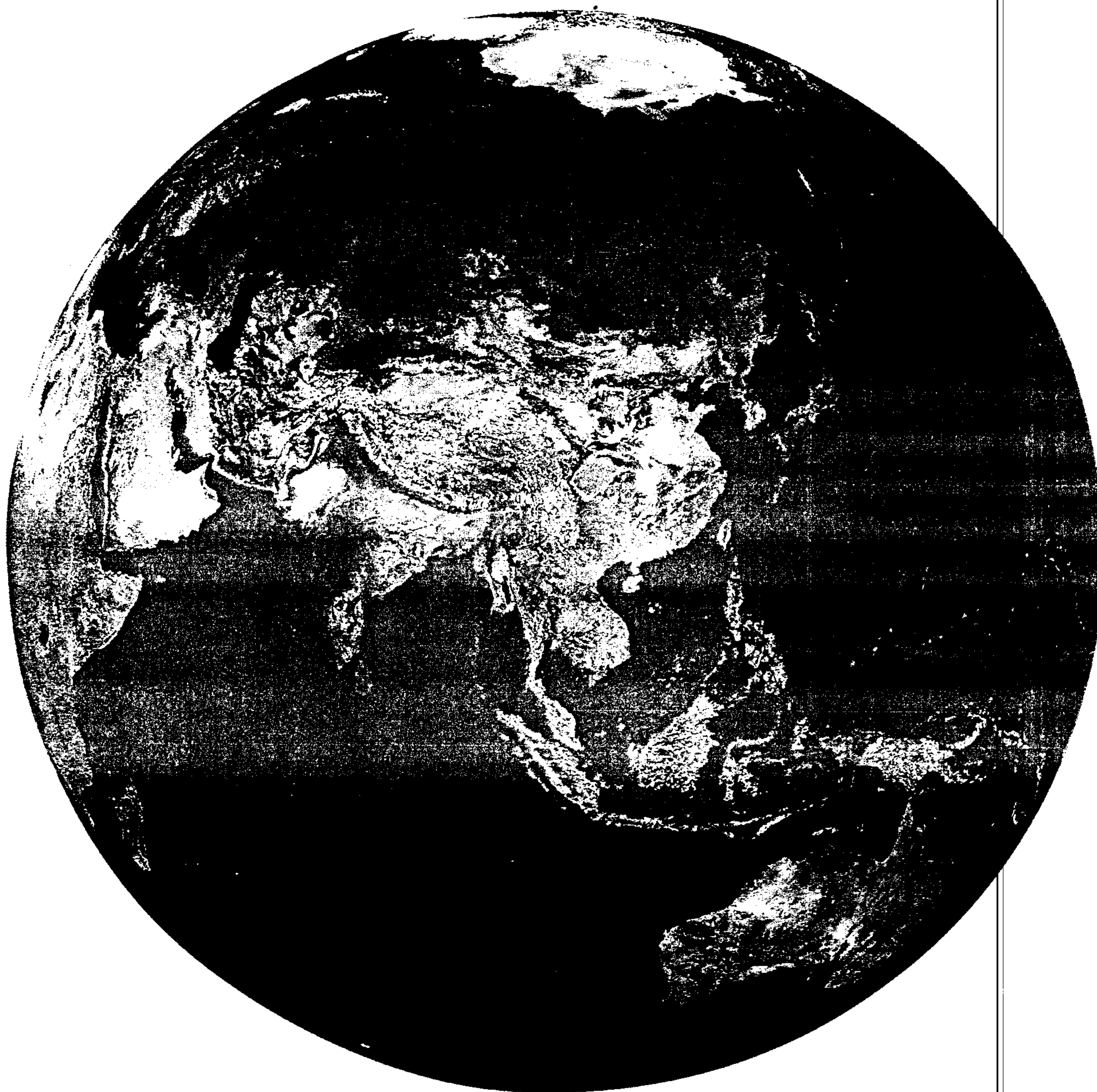
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# ICSA WC 2013

International Conference on Southeast Asian Weather and Climate 2013

The Best Conference, The Best Workshop, The Best Activity, The Best Topic.  
At the Best Location

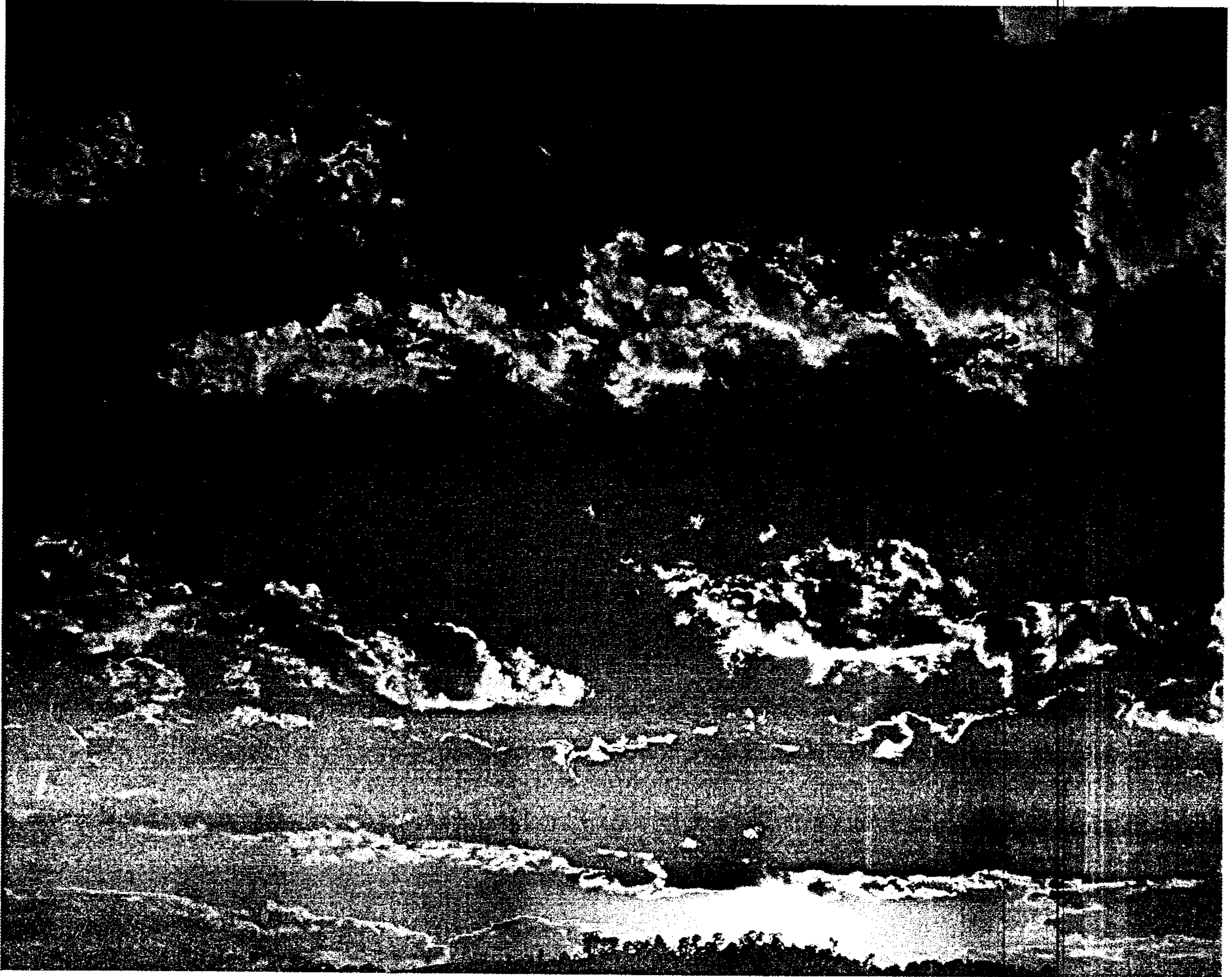
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November 27 - 29, 2013

Chiang mai, Thailand.

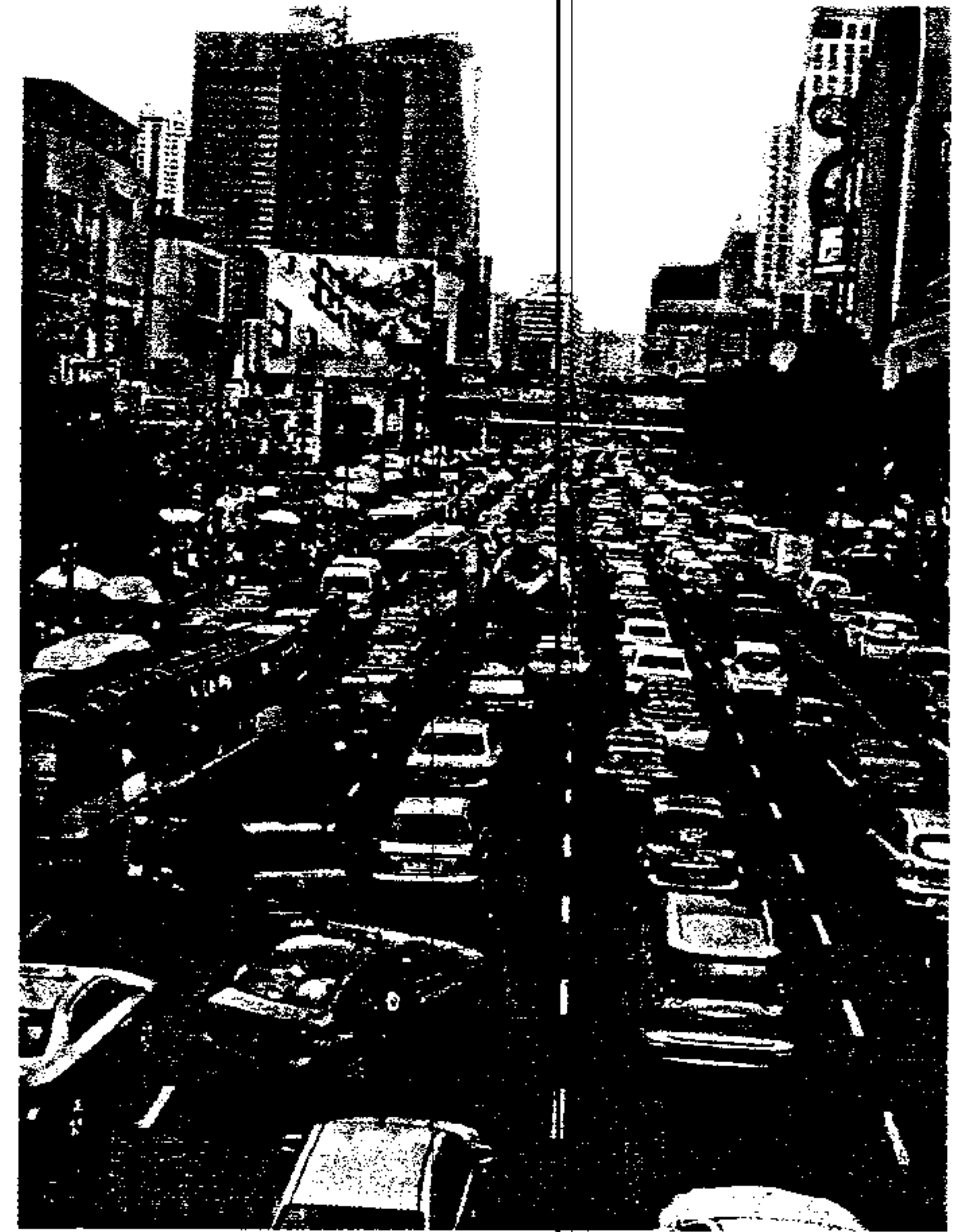
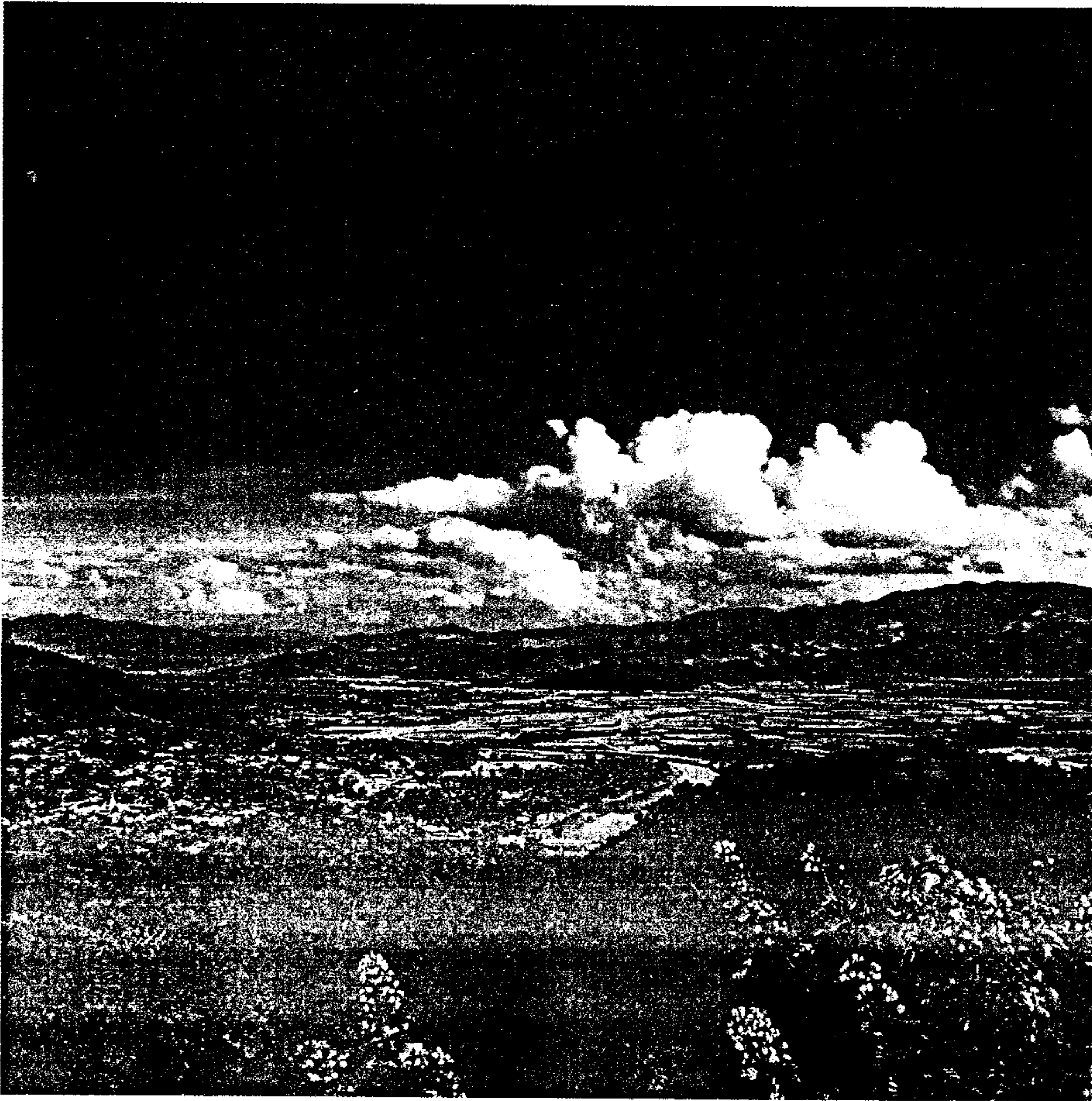
"ASEAN Adapting to Climate Change"



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International Conference on Southeast Asian (ICSA) Weather and Climate 2013



Climate change worldwide has affected ecosystems, resulting in increasingly destructive natural disasters, and severe impacts on the global production systems involving millions of people

**The International Conference on Southeast Asian (ICSA) Weather and Climate 2013**

ICSA 2013 will bring together scientists and practitioners working on adaptation to the impacts of climate change. The conference will create an ASEAN forum with the aim of fostering a creative dialogue among policy makers and practitioners. The focus of this

scientific conference is the assessment of the current research on climate change within the ASEAN community. The conference will help to identify the possible adaptation and mitigation options and strategies for policy makers based on research findings and experience.

The conference is being organize by an International Committee for Southeast Asia

membership of which includes representatives from the Chiang Mai Rajabhat University, Green Tree Foundation, Northern Meteorological Center, National Science Museum, The Institute for the Promotion of Teaching Science and Technology, The Royal Rainmaking and Agricultural Aviation Department, Yunnan province Meteorological Society (China), and Queensland University of Technology (Australia).



### About the conference

Climate change worldwide has affected ecosystems, resulting in increasingly destructive natural disasters, and severe impacts on the global production systems involving millions of people. Earth's temperature has increased on average 0.2 degrees Celsius per decade over the past 30 years. This has caused seasonal changes and more frequent and severe natural disasters, including floods, earthquakes, landslides, storms, droughts and forest fires. Ecosystems in many areas have become vulnerable, leading to loss

of biodiversity. The earth's surface has undergone physical change, including coastal erosion and a rise in sea level, resulting in the forced migration of coastal communities and damages to infrastructure, tourist areas, and high-investment industrial zones. Global warming has created water shortages and has increased epidemics of infectious diseases. In the long run, worldwide climate change will become more and more extreme and will aggravate food shortages. Southeast Asia is especially vulnerable because agricultural crops are a major source of income for these economies.

International Conference on Southeast Asian Weather and Climate 2013 will be held in Chiang Mai, Thailand, from November 27-29, 2013. It is expected that the International Conference will, apart from building a database and information system on climate change, help in finding appropriate cost-effective solutions to problems arising from climate change.

### Organizar and governance

The conference is being organize and managed by the International Committee for Southeast Asia members from the following countries and organisation:

- |                  |   |
|------------------|---|
| <b>Thailand</b>  | Chiang Mai Rajabhat University<br>Green Tree Foundation<br>Northern Meteorological Center<br>National Science Museum<br>The Institute for the Promotion of Teaching Science and Technology<br>The Royal Rainmaking and Agricultural Aviation Department |
| <b>China</b>     | Yunnan Province Meteorological Society, China   |
| <b>Australia</b> | Queensland University of Technology, Australia  |

**Scope of the conference**

The main theme of the conference is asean adapting to climate change. Major topics to be covered will include the following 5 sessions:

Session 1. Science of Weather and Climate

- 1.1 Physics of weather and climate models.
- 1.2 Activity characteristics of Asian monsoons in Southeast Asia.
- 1.3 Scientific issues on weather and climate in low-latitude plateau areas.
- 1.4 Study of the theoretical basis and new methods for extended forecasting.
- 1.5 Role of aerosol in climate change

Session 2. Natural Disaster Impacts of Climate Change

- 2.1 Weather factors that contribute to disasters
- 2.2 Cost-effectiveness of disaster risk reduction as an adaptation measure
- 2.3 Cultural response to climate change and natural disaster

Session 3. Agricultural Impacts of Climate Change

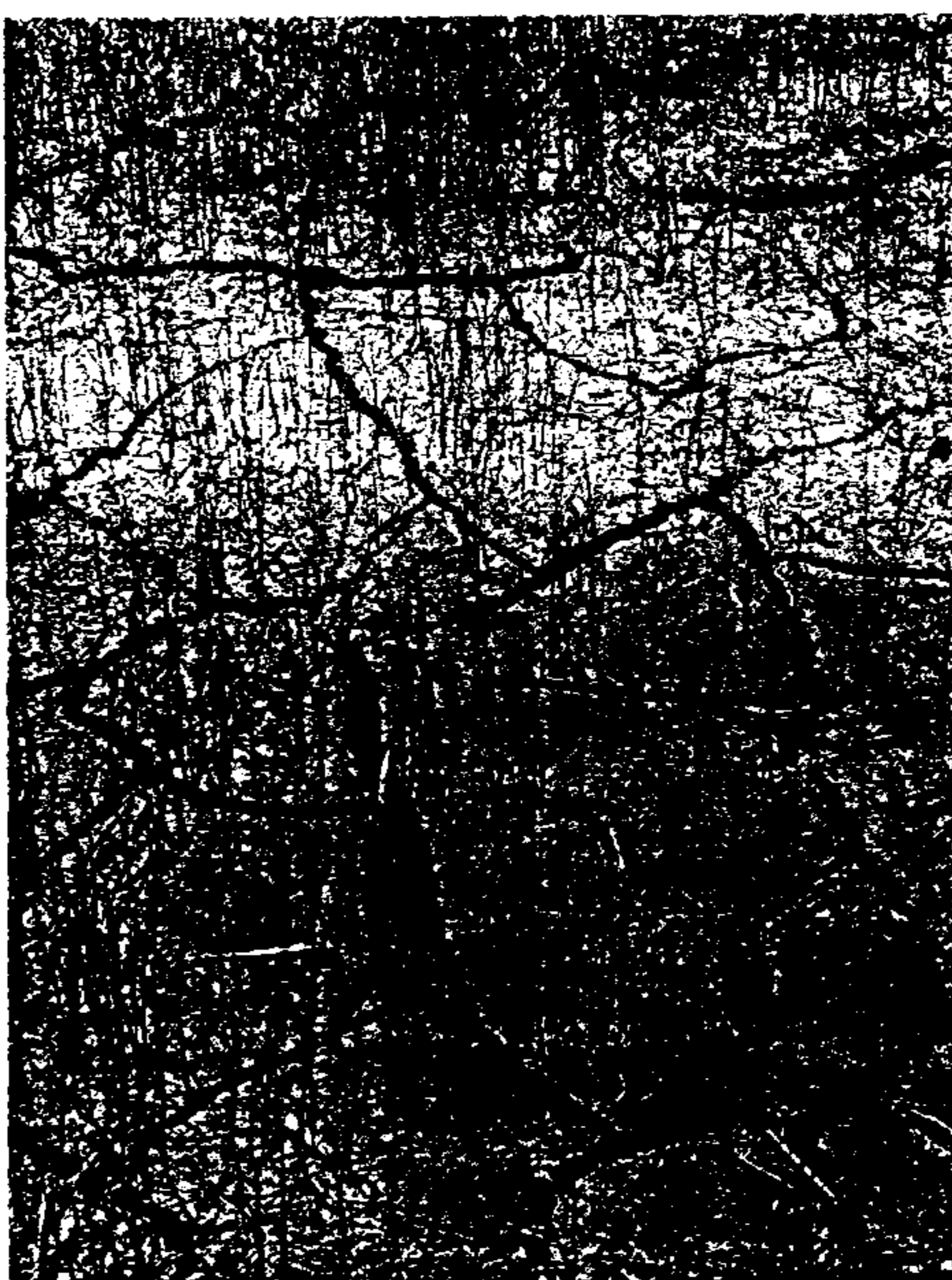
- 3.1 Analysis of the impacts of climate change on agriculture
- 3.2 Sustainability of agricultural production systems
- 3.3 Human health and food security

Session 4. Adaptation to Climate Change

- 4.1 Economic
- 4.2 Social
- 4.3 Environment
- 4.4 Culture and wisdom

Session 5. Climate Change Education

- 5.1 Curriculum and content
- 5.2 Implementation in school
- 5.3 Research in climate change education
- 5.4 Climate change awareness and society



## **Committee**

### **Conference Chairman**

#### 1.1 Chair

Professor Dr Manat Suwan, Associate Fellow of the Royal Institute, and Head of the Advisory Committee, Green Tree Foundation, Thailand

#### 1.2 Co-Chair

1. Professor Wang Hunjun, Director-general of Institute of Atmospheric physics, Chinese Academy of Sciences, China
2. Professor Dr Richard Deming, Department of Chemistry & Biochemistry, California State University Fullerton, USA
3. Professor Dr Acram Taji, Director- International Graduate Research, Queensland University of Technology, Australia

### **Advisory Committee**

1. General Chavalit Yongchaiyudh, Former Prime Minister, Kingdom of Thailand
2. Chair Professor Dr Pichit Suwanprakorn, President of Pan Rajthevi Group (PCL), Thailand
3. Associate Professor Dr Prapan Thumachai, President of Chiang Mai Rajabhat University, Thailand
4. Ms Ornnaree Janthawanit, President of Green Tree Foundation, Thailand

### **Steering Committee**

1. Dr Pichai Sonchaeng, President of National Science Museum,
2. Assistant Professor Dr Orapin Siriboonma, Vice President of Chiang Mai Rajabhat University, Thailand
3. Dr Pornpun Waitayangkoon, President of The Institute for the Promotion of Teaching Science and Technology, Thailand
4. Mr Warawut Khantiyanan, Acting Director-general of the Royal Rainmaking and Agricultural Aviation Department, Thailand
5. Mr Charoon Laohalertchai, Director of Northern Meteorological Center, Thailand
6. Mr Photchana Srisenlapanan, Vice President of Green Tree Foundation, Thailand
7. Professor Dr Ju Jianhua, Deputy director-general of Yunnan Province Meteorological Society, China
8. Professor Dr Acram Taji, Director- International Graduate Research, Queensland University of Technology, Australia

## **Academic Committee**

### Science of Weather and Climate

➤ Chair

Professor Dr Ju Jianhua, Deputy director-general of Yunnan Province Meteorological Society, China

➤ Co-Chair

Professor Dr Yang Xiuqun, Dean of the School of Atmospheric Science, Nanjing University, China

### Natural Disaster Impacts of Climate Change

➤ Chair

Dr Pichai Sonchaeng, President of National Science Museum, Thailand

➤ Co-Chair

Professor Dr Li Yongxiang, Yunnan Academy of Social Sciences, China

### Agricultural Impacts of Climate Change

➤ Chair

Professor Dr Acram Taji, Director- International Graduate Research, Queensland University of Technology, Australia

➤ Co-Chair

Assistant Professor Dr Kaltima Phichai, Dean of the Faculty of Science and Technology, Chiang Mai Rajabhat University, Thailand

### Adaptation to Climate Change

➤ Chair

Professor Dr Manat Suwan, Associate Fellow of the Royal Institute, and Head of the Advisory Committee, Green Tree Foundation, Thailand

➤ Co-Chair

Dr Tanavich Chindapradist, Advisory Committee of Green Tree Foundation, Thailand

### Climate Change Education

➤ Chair

Dr Pornpun Waitayangkoon, President of The Institute for the Promotion of Teaching Science and Technology, Thailand

➤ Co-chair

Associate Professor Dr Charlie Navanugraha, Dean of the Faculty of Environment and Resource Studies, Mahasarakham University, Thailand



**Conference Secretariat**

1. Assistant Professor Dr Tammakit Tammo, Vice President of Chiang Mai Rajabhat University, Thailand
2. Mr Pawramet Bansit, General Secretary of Green Tree Foundation, Thailand
3. Dr Narongpan Chunram, Director of Atmospheric Research Center, Chiang Mai Rajabhat University, Thailand
4. Coordinator, Chiang Mai Rajabhat University, Thailand
5. Coordinator, Green Tree Foundation, Thailand
6. Coordinator, National Science Museum, Thailand
7. Coordinator, The Institute for the Promotion of Teaching Science and Technology, Thailand
8. Coordinator, The Royal Rainmaking and Agricultural Aviation Department, Thailand
9. Coordinator, Northern Meteorological Center, Thailand
10. Ms Manida Panjasuwan, Green Tree Foundation, Thailand

**Important Dates**

| <b>Important Dates</b>       |                               |
|------------------------------|-------------------------------|
| <b>Events</b>                | <b>Dates</b>                  |
| Call for Abstracts announced | May 1, 2013                   |
| Early Registration opens     | June 15, 2013                 |
| Abstract Submission Deadline | September 15, 2013            |
| Acceptance Notification      | September 30, 2013 or earlier |
| Early Registration ends      | November 1, 2013              |
| Conference                   | November 27-29, 2013          |

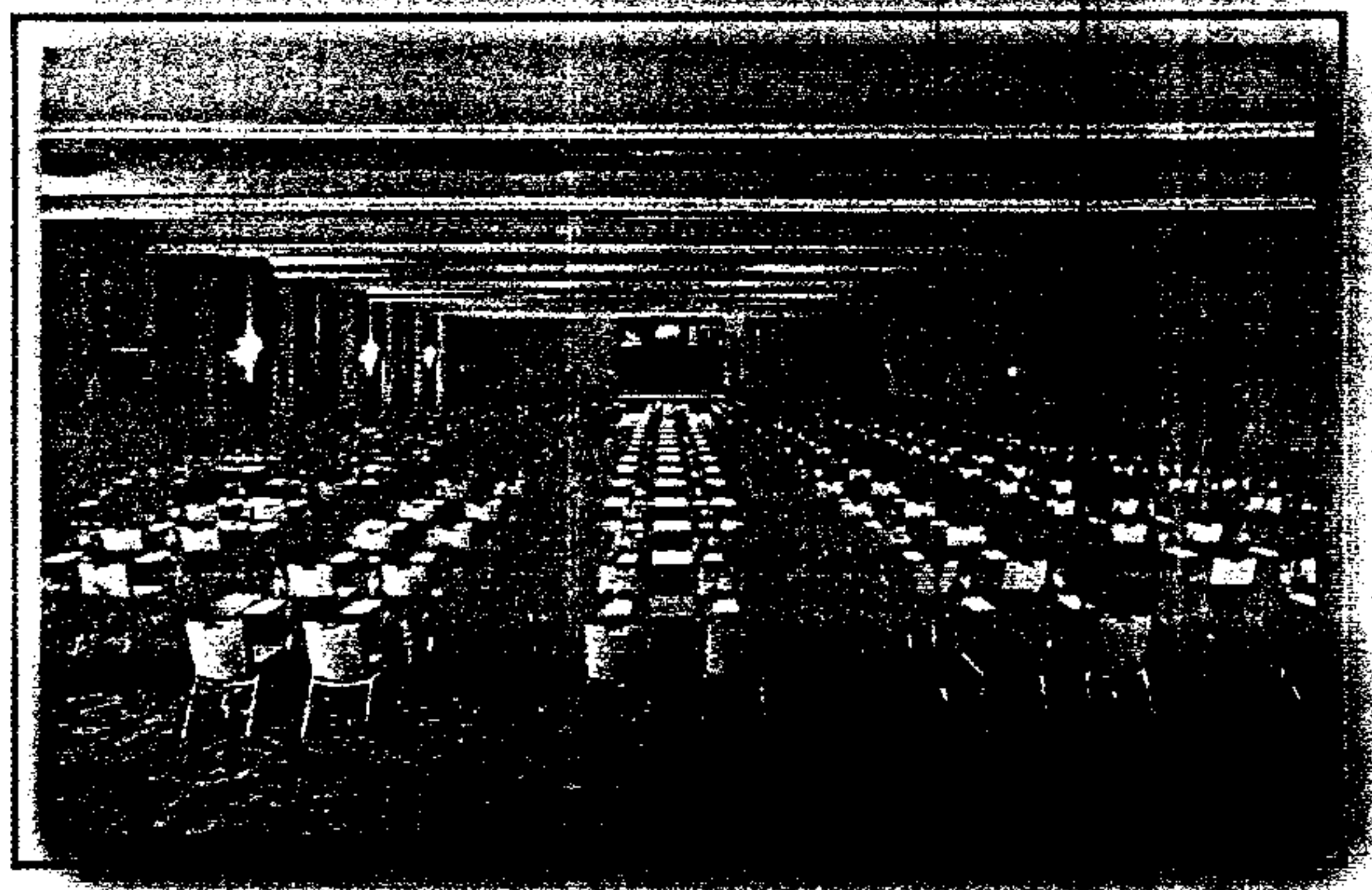
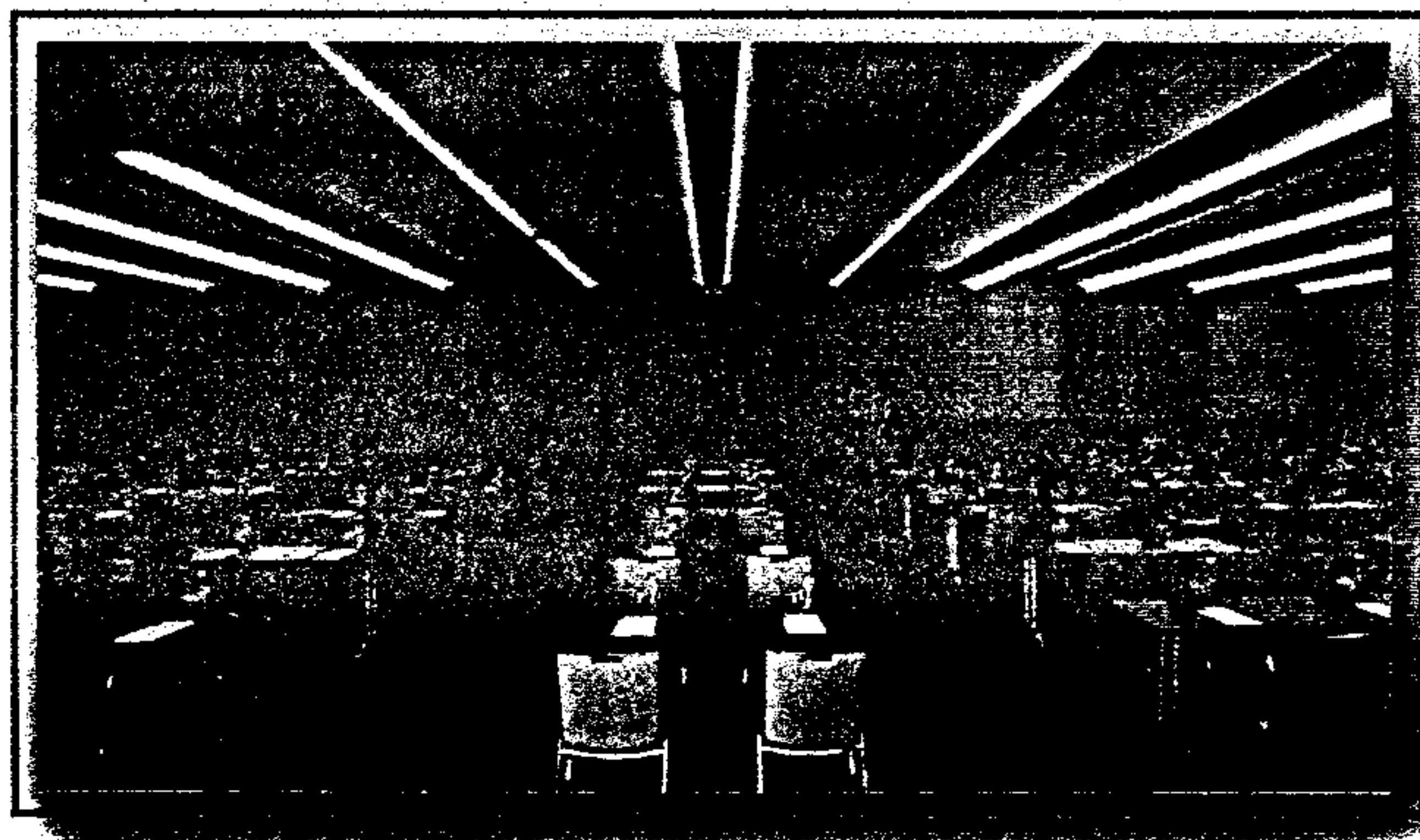
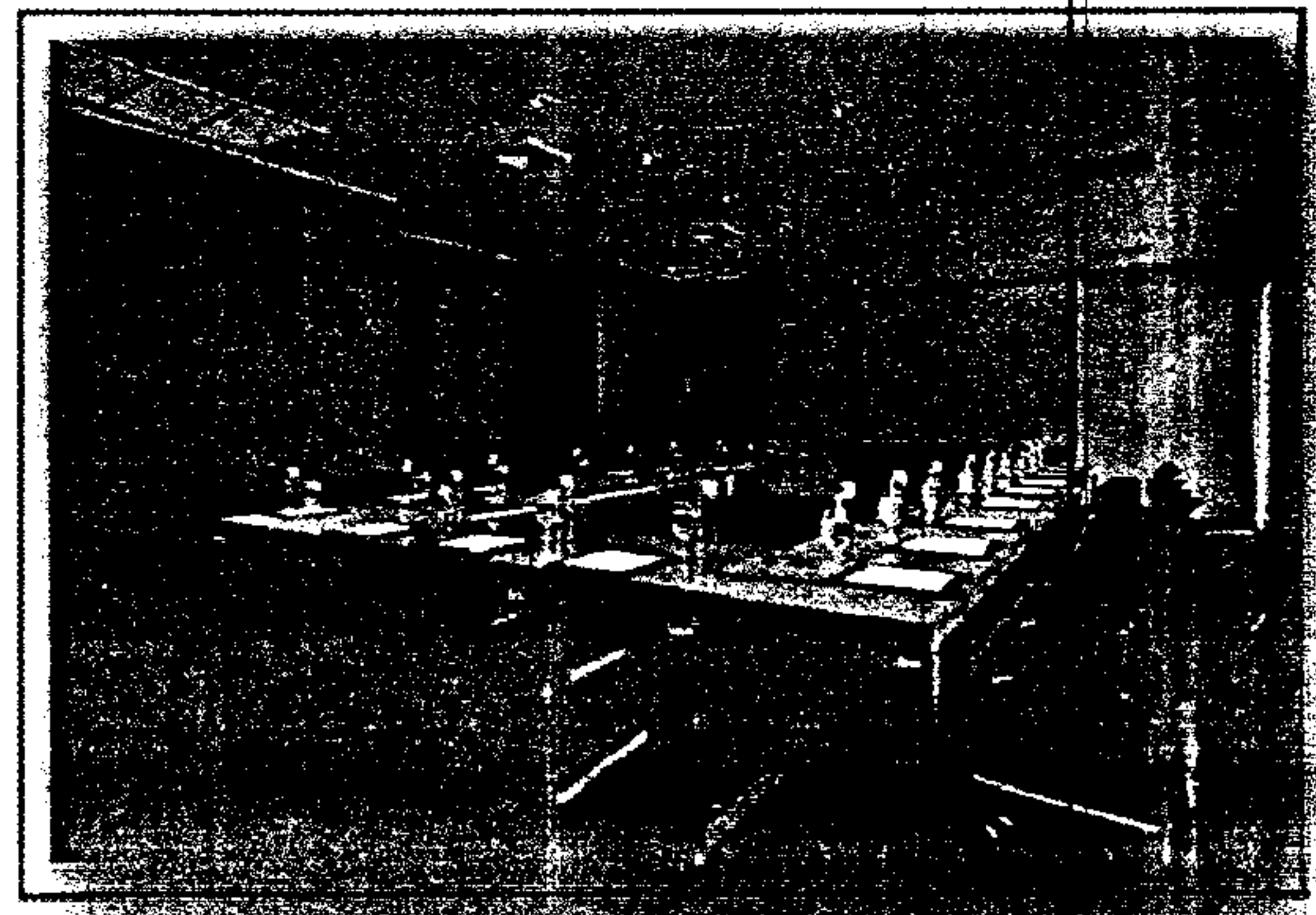
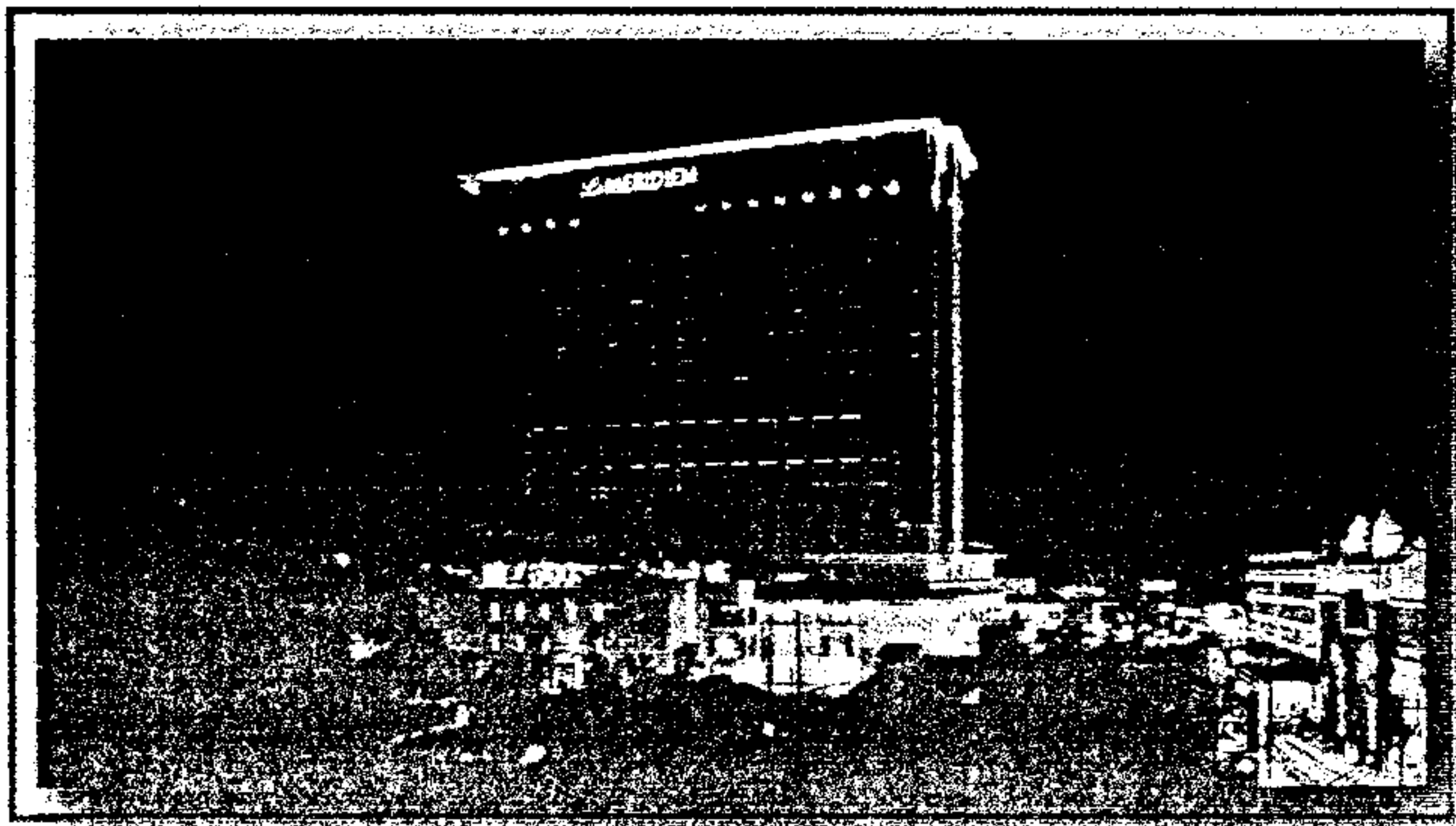
[www.icsaforum.org](http://www.icsaforum.org)

### Venue

Convention Hall, Le Meridien Hotel & Convention, Chiang Mai.

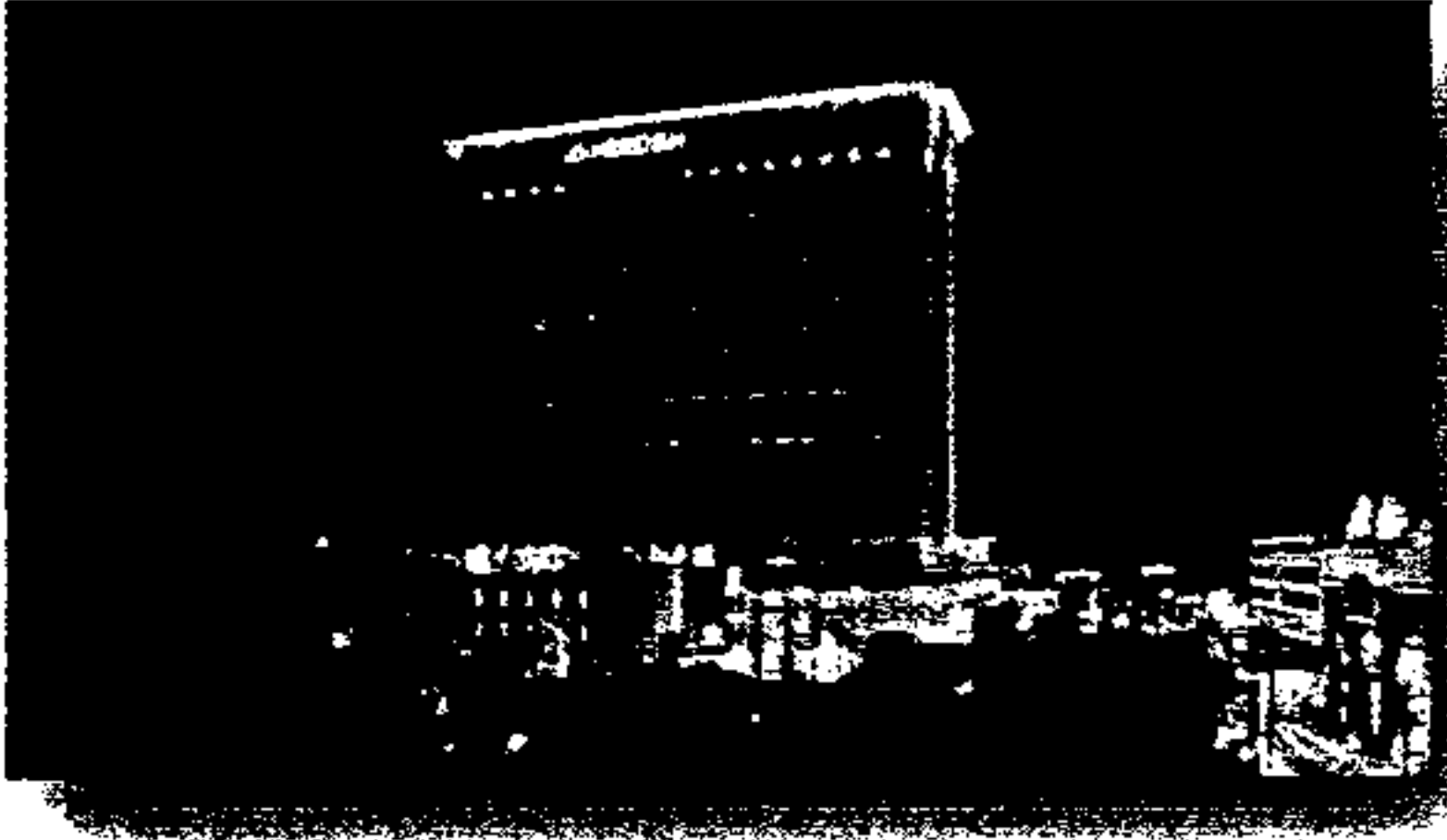


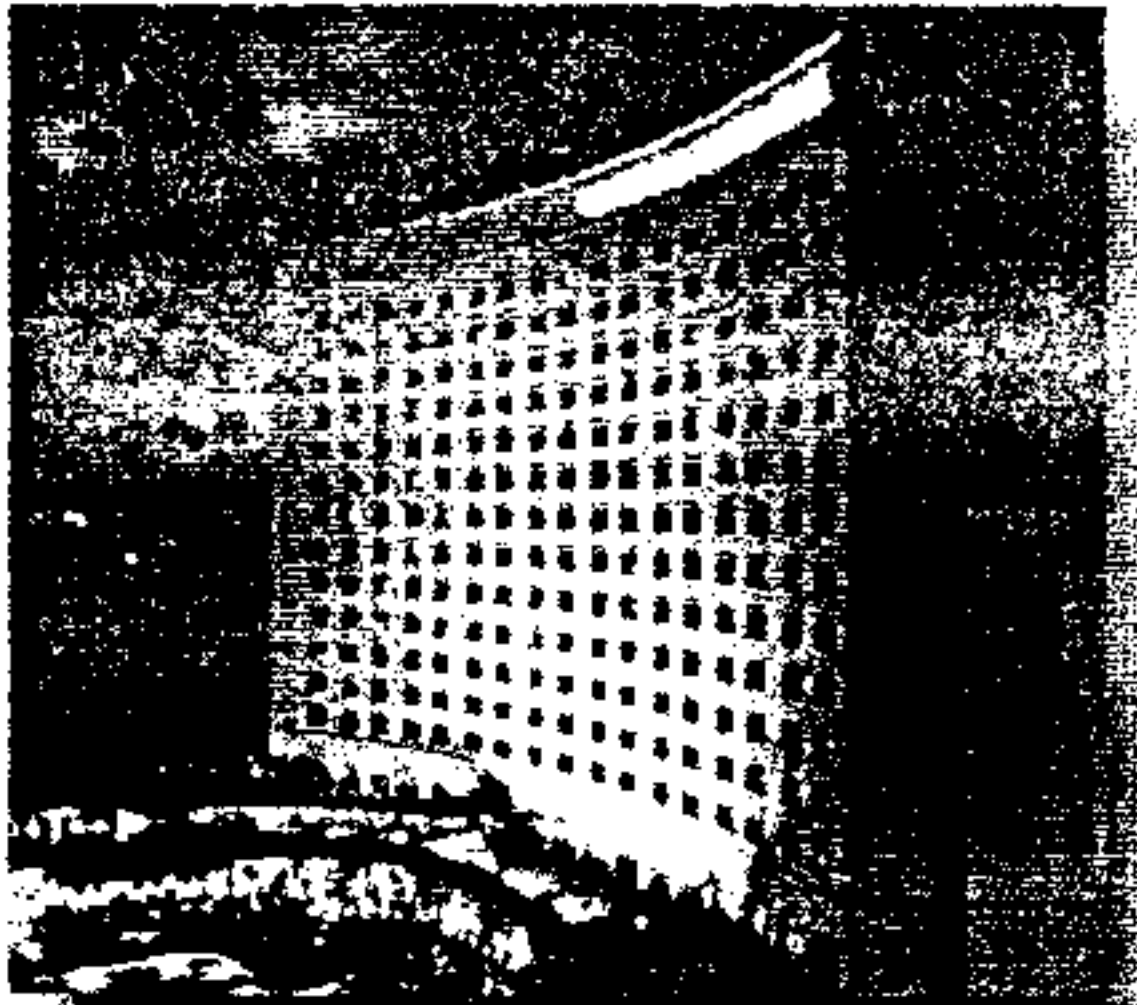
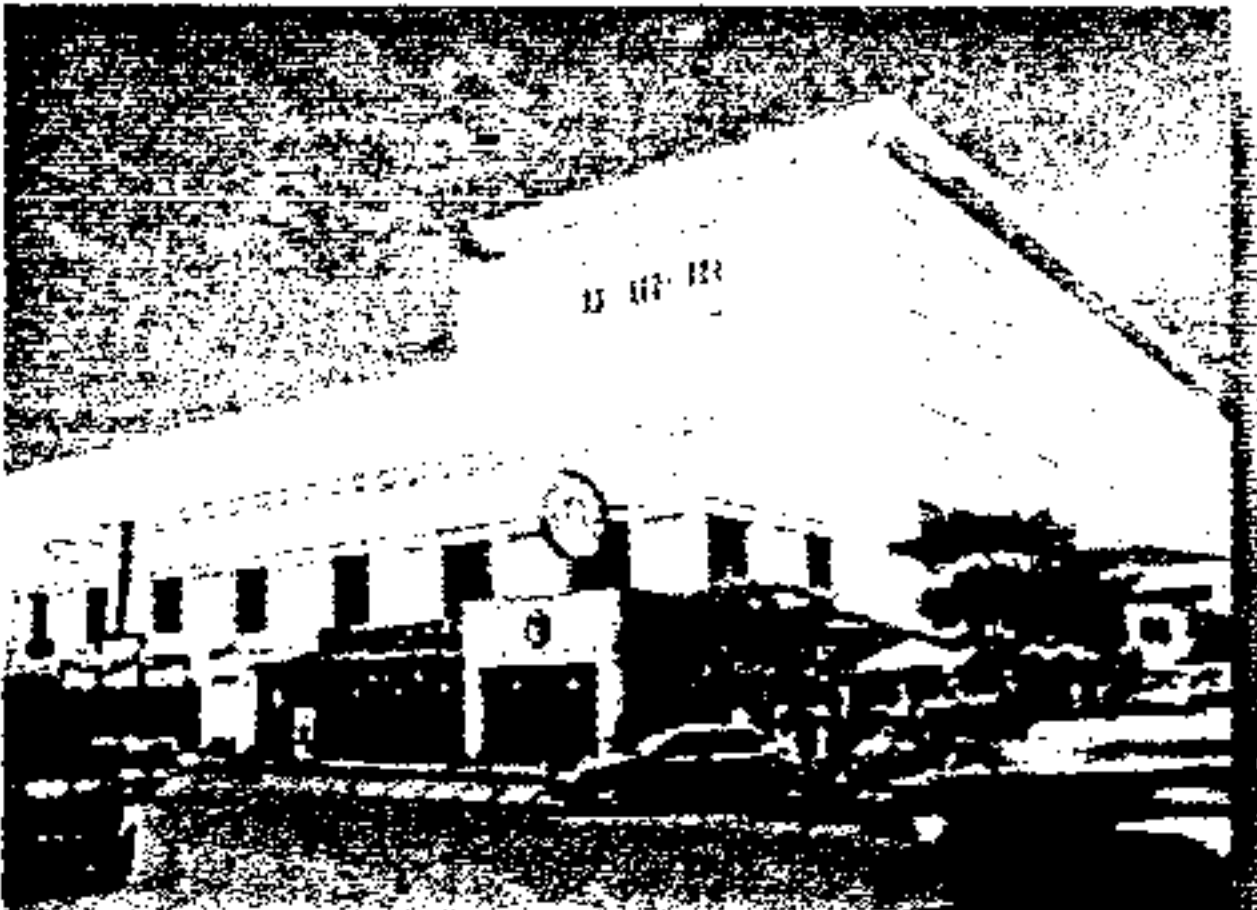


108 Chang Klan Road, Tambol Chang Klan, Amphur Muang, Chiang Mai, 50100 Thailand

## Le MERIDIEN CHIANG MAI



### Accommodation

The local ICSA committee is also planning to arrange accommodation for the participants of the Conference at concessional rates. Participants can contact conference office (+66) 53 240 733, email: [info@gtf.or.th](mailto:info@gtf.or.th) for confirmed booking of the accommodation after remittance of the registration fee.

|   |  |  |
|---|--|--|
|    | <p><i>Le</i> MERIDIEN<br/>CHIANG MAI</p>                   |  |
|    | <p>CENTARA<br/>DUANGTAWAN HOTEL<br/>CHIANG MAI</p>         |  |
|  | <p>PRINCESS<br/>CHIANG MAI</p>                             |  |
|  | <p><i>Le</i> IMPERIAL<br/>MAE PING HOTEL   CHIANG MAI</p>  |  |
|  | <p>SURIWONGSE<br/>Hotel Chiang Mai</p>                     |  |
|  | <p><i>Royal Lanna Hotel</i><br/>NIGHT BAZAAR CHIANGMAI</p> |  |
|  | <p>KINNARI PINYAY<br/>CHIANG MAI</p>                       |  |

**Conference Office**

Green Tree Foundation

1 Rattanakosin Rd, WatKet , Muang,

Chiang Mai 50000

Thailand

Phone: (+66)(53) 240 733

Fax: (+66)(53) 240 733

Email: [info@icsaforum.org](mailto:info@icsaforum.org)

**Contact person**

Dr Narongpan Chunram

Department of Health Science and Environment

Faculty of Science and Technology

Chiang Mai Rajabhat University

202 Changpuak Road, Muang district, Chiang Mai 50300

Thailand

Tel: (+66)(82) 034 5419

E-mail: [coordinator1@icsaforum.org](mailto:coordinator1@icsaforum.org)

### Travel Support

All efforts will be made to provide partial travel support and local hospitality for selected national and international participants of the International Conference at Chiang Mai and more. Contact: Conference office.

**Official web site:** <http://www.icsaforum.org>

[facebook.com/icsawc2013](https://www.facebook.com/icsawc2013)

### Registration Fees

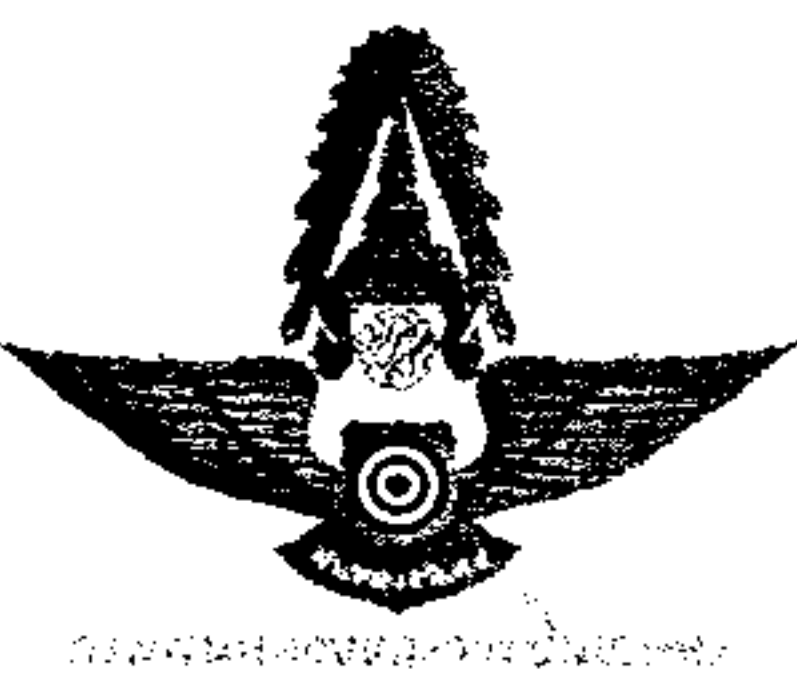

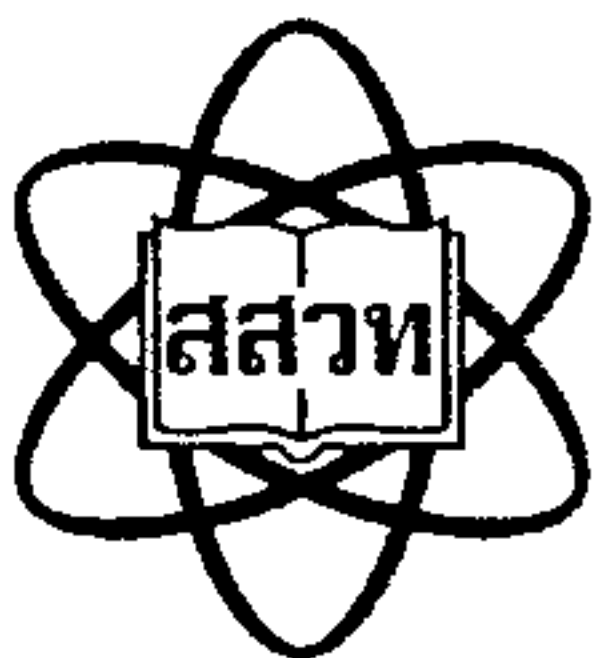





| Thai Nationals    | Rate (THB)*            |                         |                     |
|-------------------|------------------------|-------------------------|---------------------|
|                   | Before August 31, 2013 | Before October 31, 2013 | November 1-29, 2013 |
| Participant       | 2,000                  | 2,500                   | 3,000               |
| Student           | 1,000                  | 1,250                   | 1,500               |
| Foreign Nationals | Rate (USD)*            |                         |                     |
|                   | Before August 31, 2013 | Before October 31, 2013 | November 1-29, 2013 |
| Participant       | 200                    | 250                     | 300                 |
| Student           | 100                    | 125                     | 150                 |

**\*Registration fee includes:** Attendance at all conference working sessions, 6 coffee breaks and 3 lunches, gift and conference kit, an Abstract Book and Conference Proceedings CD, Banquet reception dinner on November 27, 2013 (alcoholic drinks not included).

**\*For Thai Student should be pay more 1,000 THB for banquet reception dinner ticket.**

**PAYMENT AT CONFERENCE:** Please provide exact payment in either US Dollars or in Thai Baht at the conference registration tables. Credit cards, other currencies, or on-site transfers will not be accepted

Organised By

|   |   |
|---|---|
|    | <b>The Royal Rainmaking and<br/>Agricultural Aviation<br/>Department</b>          |
|    | <b>Green Tree Foundation</b>  |
|   | <b>The Institute for the Promotion<br/>of Teaching Science and<br/>Technology</b> |
|  | <b>National Science Museum</b>  |
|  | <b>Chiang Mai Rajabhat University</b>   |
|  | <b>Northern Meteorological Center</b>   |
|  | <b>Yunnan Province Meteorological<br/>Society<br/><br/>China</b>                  |
|  | <b>Queensland University of<br/>Technology<br/><br/>Australia</b>                 |