

The 10th Pacific-Rim Termite Research Group Conference (TRG 10)

26-28 February 2014

Hotel Istana, Kuala Lumpur, Malaysia.

26 February 2014

- 0730 – 0830 Registration
- 0830 – 0900 Welcoming speech by Local Organizing Chairman, **Mr Fong Kim Hon**
Welcoming speech by President of PRTRG, **Prof Lee Chow Yang**
Photography session.
- 0900 – 0930 [Keynote paper – J. Kenneth Grace \(University of Hawaii, USA\): *Invasive Termites Revisited: Coptotermes gestroi meets Coptotermes formosanus*](#)
- Kunio Tsunoda Memorial Lectures (30 min each)**
Session Chairperson: Professor Brian T. Forschler (University of Georgia, USA)
- 0930 – 1000 [Plenary paper 1 – Kenji Matsuura \(Kyoto University, Japan\): *Evolution of asexual queen succession in Reticulitermes termites.*](#)
- 1000 – 1030 [Plenary paper 2 – Kok-Boon Neoh \(Kyoto University, Japan\): *Ecological adaptation success of the sympatric higher termites, Macrotermes gilvus and Macrotermes carbonarius.*](#)
- 1030 – 1100 Coffee break and poster session
- 1100 – 1130 [Plenary paper 3 – Houfeng Li \(National Chung Hsing University, Taiwan\): *Current distribution, ecological niche, and economic impact of the Asian subterranean termite in its invaded country, Taiwan.*](#)
- 1130 – 1200 [Plenary paper 4 – Foong-Kuan Foo \(Alliance Pest Management, Singapore\): *Behavioral and Physiological Changes in Macrotermes gilvus \(Hagen\) \(Blattodea: Termitidae\) Induced by the Endoparasitoid Misotermes mindeni \(Diptera: Phoridae\).*](#)
- 1200 – 1230 [Plenary paper 5 – Abd Hafiz Abd Majid \(Universiti Sains Malaysia\): *Effect of Different Climate Environment on Foraging Behavior, Colony Genetic Organization, Movement and Breeding Pattern of Subterranean Termites \(Reticulitermes flavipes\).*](#)

- 1230 – 1400 Lunch break
- 1400 – 1540 **Session 1: Biodiversity and Systematics I (20 min each)**
Session Chairperson: Dr Kok-Boon Neoh (Kyoto University, Japan)
- Paper 1 -- **Trinh Van Hanh Nguyen Thuy Hien, Nguyen Hai Yen & Tran Thu Huyen**: *Applying molecular technology to identify termite species of the genus *Coptotermes* in the Hanoi Old Quarter.*
- Paper 2 – **Veera Singham s/o K. Genasan & Chow-Yang Lee**: *The advantages of next generation sequencing against the enrichment technique in isolating biomarkers from the termite genome.*
- Paper 3 -- **Nguyen Van Quang, Nguyen Hai Huyen, To Thi Mai Duyen, Nguyen Van Hoan & Trinh Van Hahn**: *Data on species composition and distribution of termites (Insecta: Isoptera) in different habitats of Xuan Mai area, Hanoi.*
- Paper 4 -- **Thomas Bourguignon, Yves Roisin, Stephen L. Cameron, Jan Šobotník, Yoshinobu Hayashi, Shuji Shigenobu, Dai Watanabe, Nathan Lo, Toru Miura and Theodore A. Evans**: *The evolutionary history of termites as inferred from 60 mitochondrial genomes: dating the rise of tropical ecosystem engineers.*
- Paper 5 -- **Nguyen Quoc Huy Trinh Van Hanh, Nguyen Van Quan, Nguyen Thi My, Nguyen Thuy Hien, Tran Thu Huyen, To Thi Mai Duyen & Nguyen Hai Huyen**: *Species composition and damaging levels of termites in three World Cultural Heritage sites: Complex of Hue Monuments, Hoi An Ancient Town, and My Son Sanctuary.*
- 1540 – 1600 Coffee break and poster session
- 1600 – 1720 **Sponsor Innovation Session**
Session Chairperson: Dr Partho Dhang
- Paper 1 --- **Syngenta** - Charunee Vongkaluang: *Altriset: Promising Findings from Thailand on the World's Latest Innovative Termiticide.*
- Paper 2 --- **Bayer** – Jason Nash: *On going challenges for termite control in Asia.*
- Paper 3 --- **Sumimoto Chemical** - A field trial conducted in Thailand to evaluate the efficacy of a new non-repellent

[termiticide \(clothianidin: neo-nicotinoid\) in preventing structural damages caused by subterranean termites.](#)

Paper 4 --- **Bentz Jaz** -

1720 – 1900

Biennial General Meeting

President speech
Honorary Secretary-General Report
Honorary Treasurer Report
Election of Steering Committee Members for 2014-2015.

27 February 2014

0830 – 1010

Session 2: Wood Preservatives and Natural Products I (20 min each)

Session Chairperson: Prof Andrew Wong (Universiti Malaysia Sarawak)

[Paper 1 -- Indah Sulistyawati & Lusita Wardani: The Subterranean and DryWood Termite Attack on Used Ironwood \(Eusideroxylon zwagery T. et B.\) Flooring from a House.](#)

[Paper 2 -- Nadia Nuraniya Kamaluddin & Akiko Nakagawa-izumi: Characterization of Termite Feeding Deterrents from *Fibroporia radiculosa* \(Peck\) Parmasto](#)

[Paper 3 – James Hague Ferry Bongers, Yuji Imamura, John Alexander & Matt Roberts : The performance of Accoya® and Tricoya® against attack by subterranean termites.](#)

[Paper 4 – Ronniel D. Manalo and Carlos Garcia: Resistance of Abaca Fiber-Reinforced Polypropylene Composites Against Drywood Termites.](#)

[Paper 5 – Yusuf Sudo Hadi: Feeding rate as a consideration factor for successful termite wood preference tests.](#)

1010 – 1030

Coffee break and poster session.

1030 – 1230

Session 3: Wood Preservatives and Natural Products II (20 min each)

Session Chairperson: Jim Creffield (Onwood Entomology Australia).

Paper 1 – **Niken Subekti**: *The Resistance of Two Woods Species Soaked in Cigarette Waste Water Against Subterranean Termite Attack.*

Paper 2 – **Andrew Wong & J. Kenneth Grace**: *Termite resistance of selected lesser--known Malaysian hardwoods to Coptotermes curvignathus and C. formosanus*

Paper 3 -- **Carlos Garcia & Marciana R. San Pablo**: *Resistance of Auri (Acacia auriculiformis A. Cunn. Ex. Benth.) and Forest Red Gum (Eucalyptus tereticornis J.E. Smith).*

Paper 4 -- **Didi Tamadi S. Khoirul Himmi & Sulaeman Yusuf**: *Termiticidal activity of an extract of Brugmansia candida leaves against a subterranean termite Copotermes gestroi Wasmann and a drywood termite Cryptotermes cynocephalus Light.*

Paper 5 -- **Maya Ismayati, Akiko Nakagawa-izumi, Hiroshi Ohi & Didi Tarmadi**: *Efficacy of tannin extracts isolated from acacia bark waste against the subterranean termite Coptotermes gestroi Wasmann.*

Paper 6 – **Tae-Young Lee & Brian T. Forschler**: *Ranking Wood Preference of the subterranean termite Reticulitermes virginicus (Banks) using Two-, Four-, and No-Choice Experimental Designs.*

1230 – 1400

Lunch break

1400 – 1540

Session 4: Termite Management I (20 min each)

Session Chairperson: Dr Hou-Feng Li (National Chung Hsing University, Taiwan)

Paper 1 -- **Partho Dhang**: *An Attempt to Termite-Proof Structures using Physical Barrier in the Philippines.*

Paper 2 -- **Ching-Chen Lee and Chow-Yang Lee**: *Effect of chlorfluazuron bait against Macrotermes gilvus: Evidence for the presence of the toxicant compound in workers and larvae.*

Paper 3 – **Farkhandar Manzoor & Mahnoor Pervez**: *Efficacy of Biflex and Fipronil in controlling subterranean termites (Isoptera: Rhinotermitidae) in different soils types in Pakistan.*

Paper 4 -- **Baek-Yong Choi & Tsuyoshi Yoshimura**: *Effects of solid carbon dioxide on thermal conductivity of four common construction timber species in Japan with a special reference to drywood termite control.*

- [Paper 5 -- Yuliati Indrayani, Hikmayanti, Andika & Yoko Takematsu: Survey on the Infestation of School Buildings by Termites in Pontianak.](#)
- 1540 – 1600 Coffee break and poster session.
- 1600 – 1640 **Session 5: Termite Management II (20 min each)**
Session Chairperson: Dr Partho Dhang
- [Paper 1 -- Trinh Van Hanh, Nguyen Quoc Huy & Le Quang Thinh: The results of treating termites \(Isoptera\) in The Nam Hai Resort, Quang Nam province, Vietnam.](#)
- [Paper 2 – Shing-Kwong Cheng & Siu Kin Cheung: Analysis of building materials damageable by termites in Hong Kong.](#)
- 1640 – 1740 **Session 6: Biodiversity and Systematics II (20 min each)**
Session Chairperson: Prof Sulaeman Yusuf (Indonesia Institute of Science)
- [Paper 1 -- Zhiqiang Li, Bingrong Liu, Wenhui Zeng, Weiliang Xiao, Junhong Zhong: Termite assemblages in the four forest types in southern China.](#)
- [Paper 2 -- Theodore A. Evans, Justine Jacquemin, Lee Gang and Thomas Bourguignon: Variation of social insect assemblages in Singapore primary and secondary forests.](#)
- [Paper 3 -- Wenhui Zeng, Zhiqiang Li, Bingrong Liu, Qiujian Li, Lei Zhang and Junhong Zhong: Effect of antibiotics treatment of Coptotermes formosanus on cellulase secretion.](#)
- 1830 Departing for dinner
- 1900 - 2200 Gala Dinner at KL Tower
- Presentation of Memento to Organizing Chairman
- Presentation of Certificates to PRTRG Travelship Recipients
- Announcement of the venue of TRG 11 (China).
- 28 February 2014**
- 0800 – 1200 Excursion to Forest Research Institute Malaysia (**only limited to the first 60 delegates who register for the excursion**)

Posters

Poster 1 -- **Hirata Kazhiro & Tsuyoshi Yoshimura**: *Measuring stress of termites using LC/MS analysis.*

Poster 2 -- **Hajime Yaguchi, Shuji Shigenobu, Kiyoto Maekawa**: *Transcriptome analysis of soldier differentiation in the incipient colony of the damp-wood termite *Zootermopsis nevadensis*.*

Poster 3 -- **Yudai Masuoka & Kiyoto Maekawa**: *Expression and function analyses of the hormone signaling genes during soldier differentiation of the termite *Zootermopsis nevadensis*.*

Poster 4 -- **Ikhsan Guswenrivo & Kok-Boon Neoh**: *Termite (*Coptotermes gestroi*) Tunneling Analysis in Peat Soil – Moisture Gradients.*

Poster 5 -- **Eko Kuswanto, Intan Ahmad, Ramadhani Putra & Idham Harahap**: *Stratified Random Sampling: A Sampling Technique for Mapping Termite Hazard in Urban Environment of Bandung City.*