

# Unit 7.02.00 - Pathology Newsletter



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## **Forest Pathologist receives IUFRO's premier award**

During the recent IUFRO Regional Congress for Asia and Oceania Dr. Su See Lee from Malaysia became the first female Honorary member of IUFRO. Honorary Membership is the highest award of IUFRO and acknowledges individuals who have rendered particularly important and outstanding services to IUFRO.

Dr. Lee has actively participated in IUFRO structures for many years, starting as a Working Party coordinator. Most recently she was an IUFRO Vice-President. She was also a leader in the establishment of IUFRO Task Forces and contributed enthusiastically to all IUFRO structures.

Su See worked at the Forest Research Institute of Malaysia (FRIM), where she was Head of the Forest Health and Conservation programme until her recent retirement. She is a forest pathologist by training and made significant contributions towards a better understanding of tree health issues, particularly in South-East Asia.

The Forest Pathology Research group of Division 7 is extremely proud to say that Dr. Lee was part of the group. She made considerable contributions to the strengthening of the group over her years of participation in IUFRO. She was, and continues to be, a role model to female scientists globally.



IUFRO President Prof. Mike Wingfield presenting IUFRO Honorary Membership to Dr. Su See Lee.

## **IUFRO 125<sup>th</sup> Anniversary Congress**

From September 19 to 22, 2017, IUFRO will recognize 125 years of successful international collaboration under the auspices of IUFRO since its founding in 1892. The meeting will be held in Freiburg, Germany, with the theme of "Interconnecting Forests, Science and People". This link will take you to the meeting homepage: <http://iufro2017.com>

The congress will incorporate an All Division 7 meeting that was deferred to this congress following the unfortunate cancellation of the All Division 7 meeting that was planned for Turkey in April 2016. The congress will bring together all divisions and will be an exciting opportunity for networking with a diverse group of scientists.

Hopefully we will see you there.

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## **Working Party 7.02.09 - 8<sup>th</sup> meeting of Phytophthora in Forests and Natural Ecosystems**

The 8<sup>th</sup> meeting of this working party will gather in Sapa, Vietnam from 19 - 25 March 2017. Abstract submission is open until 15 January 2017 and registration is also now open. Participants will gather in Hanoi on 18 March for the opening ceremony and then depart for a two day pre-conference field tour on the 19<sup>th</sup> and 20<sup>th</sup> to visit Acacia and Eucalyptus plantations and native forest on the drive to Sapa. These meetings are always highly interactive, stimulating and well attended.

<http://www.iufrophytophthora2017.org>

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## **Working Party 7.02.02 - Foliage, Shoot and Stem diseases**

This working party will gather in Niagara Falls, Ontario, Canada from 7 - 11 May 2017 with the conference theme of "Invasive forest pathogens & implications for biology and policy". Abstract submission is open now until 15 March 2017 and registration is also now open, with early registration and a reduced registration rate of \$650.00 CAD open until 1 March and student registration is discounted by 50%. The meeting will be held within the Hilton Niagara Falls and they have provided a reduced accommodation rate.

<http://www.cif-ifc.org/iufroworkingparty2017/>

## Meeting of 7.02.11 - Parasitic flowering plants in forests, Conference: Mistletoes: Pathogens, keystone resources, and medicinal wonder

IUFRO Working Party 7.02.11 held a conference in Ashland, Oregon, USA from 18 - 21 July 2016. The Klamath-Siskiyou region of Southern Oregon and Northern California is widely known for botanical diversity, including expansive regions of serpentine bedrock with endemic species of trees and other vegetation. The mistletoes are no exception, with Viscaceae mistletoes numbering 11 taxa (species, subspecies, forms) of *Arceuthobium*, and 4 taxa (species) of *Phoradendron* in the region. For this reason we held two full day field trips led by Robert Mathiasen and David Shaw, one to Crater Lake National Park, a high elevations site, and another to the serpentine region SE of Grants Pass, Oregon. The meeting featured keynote addresses from David Watson (Australia), "Of mistletoes and mechanisms: advances in understanding their ecological role and ecosystem function" and Cynthia Ross-Friedman (Canada), "The Little Bang Theory: Explosive Seed Discharge in Dwarf Mistletoe". Other talks from world renowned mistletoe experts such as Gerhard Glatzel, Clyde Calvin, Carol Wilson, Vanessa Ashworth, Robert Mathiasen, Shawn Kanaley, Barry Logan and Gregorio Ceccantini covered a wide breadth of topics. Graduate students that addressed the conference were from USA, Canada, Brazil, and Germany. A special section of the journal Botany (formerly Canadian Journal of Botany) is forthcoming in 2017, and may have 12 papers included.



Figure 1. Field trip to serpentine soils, with Jeffrey pine (*Pinus jeffryii*) infected by *Arceuthobium campylopodum*, knobcone pine (*P. attenuata*) infected with *A. siskiyouense*, and incense cedar (*Libocedrus decurrens*) infected by *Phoradendron libocedri*.



Figure 2. Specimens were collected for demonstration by Robert Mathiasen, such as this endemic species to the area.

Provided by David Shaw



## Meeting of 7.02.10 - Pine wilt disease international symposium

The International Symposium took place from 28 August to 2 September 2016 in Seoul, Korea and a total of 203 participants representing Korea, Canada, China, United Kingdom, France, Indonesia, Japan, Portugal, Russia and Spain were in attendance. The symposium was sponsored by the National Institute of Forest Science, Korea, the Korean Society of Applied Entomology and the Korean Society of Plant Pathology. The symposium included discussion of the diagnosis of pine wilt disease, biology of the pine wood nematode, the insect vector and interactions between the host, nematode, vector and the microbial community. Control methods and management strategies, as well as monitoring and epidemiology of the pine wilt disease, were also addressed. Field trips to the Pocheon area of Gyeonggi Province to view a pine wilt infested area, as well as a trip to the Korea National Arboretum in Gwangneung Forest, Gyeonggi Province, were included in the symposium.

Review of the occurrence and global distribution of the pine wilt disease through keynote presentations from Europe, China, Japan and Korea indicated that there are different levels of disease in different areas and that there are also differences in public perception related to controlling the disease. Regardless of the status of the outbreak however, the sharing of fundamental knowledge is necessary to control the disease. Developments such as genetic testing to further understand host-pathogen interactions and other aspects of the pine wilt disease were shared and the taxonomy of *Monochamus alternatus*, the most important vector of the pinewood nematode in Asia, was discussed. The control methods of clear-cutting and stem injections are controversial in some places, thus innovation and improvement of control methods are desired. One new technology that attracted attention was the use of drones to detect pine wilt disease damaged trees in Korea.

At the close of the meeting, new working party coordinators and deputies were elected. The elected members are: coordinator - Christelle Robinet (INRA, France), Deputies - Luís Bonifácio (INIAV, Portugal), Hyerim Han (NIFS, Korea), Katsunori Nakamura (FFPRI, Japan).



Some of the conference delegates during the wet field tour in Gyeonggi Province.  
Provided by Christelle Robinet

## Upcoming Meetings

2017-03-19 to 2017-05-25. 8<sup>th</sup> Meeting of Working Party 7.02.09 “Phytophthora in Forests and Natural Ecosystems”. Sapa, Vietnam. <http://www.iufrophytophthora2017.org>

2017-05-05 to 2017-05-09. Meeting of Working Party 7.02.02 “Foliage, Shoot and Stem Diseases”. Niagara Falls, Canada. <http://www.cif-ifc.org/iufroworkingparty2017/>

2017-09-19 to 2017-09-23. 125 Years of IUFRO, Freiburg, Germany. <http://iufro2017.com>

2018-07-29 to 2018-08-03. 11<sup>th</sup> International Congress of Plant Pathology. Boston, USA. <http://www.icpp2018.org>

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## IUFRO Spotlight

Readers are encouraged to visit the IUFRO website and subscribe to the IUFRO Spotlight, a new initiative from IUFRO that highlights research work that is relevant to all IUFRO Divisions.

<http://www.iufro.org/publications/iufro-spotlights/>

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## FORPATH List Server

The FORPATH list server was initiated by Dale Berghdal in the early 1990s and is now hosted by IUFRO. FORPATH links the international forest pathology community by announcing meetings, jobs, graduate student positions and discussing forest pathology issues. To subscribe follow this link: <http://www.iufro.org/science/iufro-mailing-lists/list-management/rg-702-forpath>

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## Newsletter Contributions

Newsletter contributions are welcome. If you would like to contribute to the newsletter, please contact Tod Ramsfield or Jolanda Roux at: [tod.ramsfield@Canada.ca](mailto:tod.ramsfield@Canada.ca) or [Jolanda.Roux@fabi.up.ac.za](mailto:Jolanda.Roux@fabi.up.ac.za)

## IUFRO Division 7.02 Forest Pathology Working Parties

Working Party	Coordinator	Deputies
7.02.01 - Root and butt rots	Jonas Rönnerberg	Hatice Tugba Dogmus Lehtijarvi
7.02.02 - Foliage, shoot and stem diseases	Julio Javier Diez Casero	Hatice Tugba Dogmus Lehtijarvi Glen R. Stanoz
7.02.03 - Vascular wilt diseases	Krystyna Przybyl	C. Mohanan
7.02.04 - Phytoplasma and virus diseases of forest trees	Carmen Büttner	Risto Jalkanen
7.02.05 - Rusts of forest trees	Richard Hamelin	Pascal Frey Salvatore Moricca
7.02.06 - Disease/environment interactions in forest decline	Lori Eckhart	
7.02.07 - Diseases and insects of tropical forest trees	Sri Rahayu	Paul Bosu Carlos A Rodas
7.02.09 - Phytophthora diseases on forest trees	Giles Hardy	Susan Frankel Matteo Garbelotto Ellen Goheen Thomas Jung Andrea Vannini
7.02.10 - Pine wilt disease	Christelle Robinet	Luis Filipe Bonifacio Katsunori Nakamura-Matori Hyerim Han
7.02.11 - Parasitic flowering plants in forests	David Shaw	Simon Francis Shamoun Marcelo Luis Wagner
7.02.13 - Forest health in Southern Hemisphere commercial plantations	Rebecca (Beccy) Ganley	Rodrigo Ahumada Angus Carnegie Carlos Pérez