

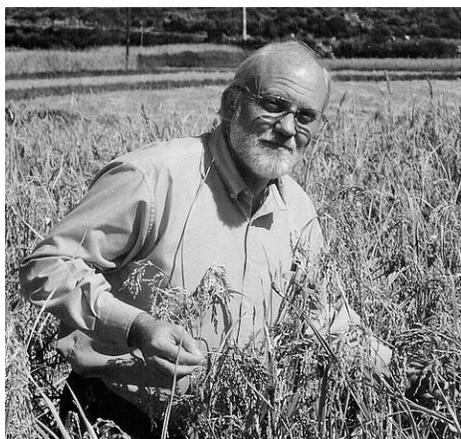
IAPPS NEWSLETTER

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IPPAD AWARDS OF EXCELLENCE

The Executive Committee of the IAPPS Governing Board has endorsed the following nine nominations for the International Plant Protection Award of Distinction (IPPAD):



Professor Robert "Bob" Zeigler is an internationally respected plant pathologist with more than 30 years of experience in agricultural research in the developing world. He started his career as plant pathologist in the Burundi Maize program where he developed varietal screening methods for resistance to maize streak virus and the leafhopper vector. He later joined CIAT as a rice pathologist and became leader of the CIAT rice program, restructuring it into a multidisciplinary program which integrated breeding, social science and IPM. Between 1992 and 1996, he was both a plant pathologist and program leader in IRRI. From 1999-2004 Dr Zeigler was Professor and Head, Department

of Plant Pathology and Director, Plant Biotechnology Center in Kansas State University. In 2004 he became the Director of the Generation Challenge Program of the CGIAR and in 2005 became Director General of IRRI. In his new capacity he developed a new strategic plan that placed emphases on integrating genetic and ecological methods for plant protection.



Professor Noriharu Umetsu is the distinguished scientist, research leader, inventor of several pesticides as well as the active organizer for academic activities related to plant protection. He opened a new era of carbamate insecticides, by which different kinds of important pests are controlled, and also contributed to pesticide toxicology by demonstrating the importance of impurities in technical pesticides, thus advancing plant protection science and technology. His studies led to the invention of two important insecticides, benfuracarb and alanycarb, which are far lower in toxicity than the original carbofuran and methomyl. Professor Umetsu, the former Executive Managing Director on Board of Otsuka Chemical, is presently guest Professor of Tokyo University of Agriculture, Japan and East China University of Science and Technology.



Emeritus Professor Michael Way died on January 18th 2011, and has been nominated for a posthumous award. Professor Way was an internationally recognized insect pest management specialist. Among the hallmarks of his long career, are his appointment as Director of Imperial College's world famous field station at Silwood Park and his close involvement in the re-development of the rural campus with new buildings, including a Science Park aimed at encouraging entrepreneurial companies to integrate with scientists at Imperial College. As an advisor to FAO, he was instrumental in helping to develop the draft Code of Conduct for the Import and Release of Exotic Biological Control Agents, which became International Standards for Phytosanitary Measures No. 3 (ISPM3).



Since his PhD in 1972, **Dr. Jürg Huber**'s scientific work was dedicated to the development and application of baculoviruses for control of pest insects in agriculture, horticulture and forestry. Under his direction the *Cydia pomonella* granulovirus (CpGV) was registered in Germany and became an unprecedented success story of commercial use in organic and integrated apple production. He worked on the biological characterization of different baculoviruses and was involved in several international collaborations of biosafety research of genetically engineered baculoviruses. From 1972 – 2009 he was Director of the Institute of Biological Control of the Julius Kuehn Institute, where he led an internationally re-known institute involved in the development, testing and registration of biocontrol agents.



Dr. S. K. De Datta currently serves as the associate vice president for international affairs at Virginia Tech as well as the director of the Office of International Research, Education, and Development. He has also served as the administrative principal investigator for the Integrated Pest Management Collaborative Research Support Program since its inception in 1993. De Datta's contributions to the green revolution in rice through his IRRI research, expertise in agriculture and his commitment to improving people's lives around the world has led him to serve as the Principal Investigator on a wide variety of development projects, including the IPM Collaborative Research Support Program (IPM CRSP), most of them funded by the U.S. Agency for International Development, from Ecuador to Mali to Central Asia to the Philippines.



Professor GUO Yu-yuan, entomologist and member of Chinese Academy of Engineering, serves as the deputy chairman of China Society of Plant Protection and once served as the director of Institute of Plant Protection, Chinese Academy of Agricultural Sciences. Over his long career spanning over half a century, Prof. GUO contributed significantly to the development of IPM in China. Among the several achievements, he established a series of control strategies and techniques against *Helicoverpa armigera* in 1990s. The sustained yield of cotton from producers using his IPM approach contrasted sharply with the one from conventional producers in a year of severe cotton bollworm outbreak. His systematic work on this cotton insect pest and their management resulted in a comprehensive book, *Research on Cotton Bollworm*.



Over the last 25 years **Professor Christian Borgemeister** has made significant contributions to the field of plant protection, with a particular emphasis on biological control and IPM in the tropics as witnessed by his close to 100 peer-reviewed scientific papers and various books and book chapters. Particularly impressive is the breadth of his work, ranging from classical biological control, for instance on the larger grain borer in sub-Saharan Africa, habitat management approaches to cereal stemborer control, conservation biological control of aphids, development and deployment of entomopathogenic fungi and nematodes, to augmentative biological control in greenhouses. He is currently the 3rd Director General of *icipe*, the International Centre of Insect Physiology and Ecology in Nairobi, Kenya.



Professor Karl Hurle has been involved in various national and international activities in the field of weed science, e.g. he was president of the European Weed Research Society (EWRS). Further he had a number of international cooperations e.g. with research groups in the US, Canada, Israel, Palestine, Ukraine, Belarus, Sri Lanka, South Africa and the People's Republic of China. In addition he served his university as dean and vice-president and was coordinator of the Euroleague for Life Sciences (ELLS) a European network of Universities for the promotion of student mobility. Prof. Hurle retired in 2004, but is still involved in weed science activities. The focus of his research ranged from population dynamics of troublesome weed species to investigations on the molecular ecology of weeds and the molecular basis of herbicide resistance.



AVRDC
The World Vegetable Center

The plant Protection and Breeding Team of AVRDC – The World Vegetable Center, (Dr. Jaw-fen Wang, Dr. Lawrence Kenyon, Dr. Peter Hanson, Dr. Paul

Gniffke and Dr. Ramasamy Srinivasan) Taiwan, has been nominated for the Team IPPAD Award. As an example of a breakthrough in science, in 2009, “gene pyramiding”- combining multiple disease resistant genes into AVRDC tomato lines - was achieved. AVRDC breeders developed tomatoes with resistance to several whitefly-transmitted begomoviruses that cause TYLCVD. AVRDC was the first to develop and distribute open-pollinated lines with multiple leaf curl virus resistance (*Ty*) genes for small-scale farmers. In entomology, pesticide use decreased significantly and profit margins increased for farmers adopting the IPM approach against the eggplant fruit and shoot borer developed by AVRDC. The pesticide reduction was 65–75% in both Bangladesh and India. An ex-ante evaluation of IPM using the Economic Surplus Model in Bangladesh revealed an internal rate of return of 39% and a benefit-cost ratio of 3.25.

Prof. E.A. “Short” Heinrichs

IAPPS Secretary General

E-mail: ehinric@vt.edu

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IAPPS Mission: to provide a global forum for the purpose of identifying, evaluating, integrating, and promoting plant protection concepts, technologies, and policies that are economically, environmentally, and socially acceptable.

It seeks to provide a global umbrella for the plant protection sciences to facilitate and promote the application of the Integrated Pest Management (IPM) approach to the world’s crop and forest ecosystems.

Membership Information: IAPPS has four classes of membership (individual, affiliate, associate, and corporate) which are described in the IAPPS Web Site www.plantprotection.org.

The *IAPPS Newsletter* welcomes news, letters, and other items of interest from individuals and organizations. Address correspondence and information to:

**Manuele Tamò
Editor, IAPPS Newsletter
IITA-Benin
08 B.P. 0932 Tri Postal, Cotonou, Republic of Benin
E-mail: m.tamo@cgiar.org**