



## IN MEMORIAM

### PAOLO BUDINICH, AN INFLUENTIAL ITALIAN PHYSICIST, HAD A VISION AND A PASSION FOR BUILDING SCIENCE IN THE DEVELOPING WORLD

• Physicist **Paolo Budinich**, who played a significant role in the founding of the International Centre for Theoretical Physics and later TWAS in Trieste, Italy, passed away on 14 November 2013.

Budinich joined forces with founder Abdus Salam to create TWAS and ICTP, both headquartered in Trieste, Italy. He convinced the Italian government to support ICTP's establishment at the International Atomic Energy Agency's General Conference in Vienna in the early 1960s.



Two decades later, he helped to organize and lay the foundation for TWAS in its early years. He was instrumental in helping to secure political and financial support for TWAS and its mission from top Italian lawmakers – support that has been sustained throughout the Academy's three decades.

"Paolo had been a great supporter of TWAS ever since its inception in 1983," said Mohamed H.A. Hassan, TWAS treasurer and former executive director. "After the ICTP, I count his immense contributions to the

establishment and growth of TWAS as his second legacy."

"Paolo was a great friend and a wonderful human being," Hassan added. "He was very much concerned with the great challenges facing Africa, especially the lack of capacities in research and education. He spent the last few years of his life trying hard to obtain substantial funding from the European Union to support higher education in Africa."

Budinich had a vision and a passion for building science in the developing world and a talent for galvanizing supporters, teams and whole communities. He also played a vital role in the entire Trieste science community: He founded and was the first director of the International School for Advanced Studies (SISSA), and played a crucial role in the establishment of the Interna-

tional Centre for Genetic Engineering and Biotechnology (ICGEB), the *Elettra Sincrotrone*, and the *Immaginario Scientifico*, among others. TWAS is headquartered at the ICTP campus in Trieste.

Budinich was born on the island of Lussingrande (now Lošinj, Croatia) and raised in Trieste. After studying in Pisa's *Scuola Normale Superiore*, he brought high-quality physics research to Trieste, an area now enormously expanded to other fields of science thanks to his tireless work, enthusiasm, and dedication.

"Professor Budinich will be missed by all who knew him and by all who knew of him," said TWAS Executive Director Romain Murenzi. "But I am confident that his work in support of scientific progress will continue to bear fruit long into the future."





## NEW DIRECTOR GENERAL FOR ICIZE

• Ethiopian scientist and TWAS Prize winner **Segenet Kelemu** has been appointed the new director general of the International Centre of Insect Physiology and Ecology (*icipe*), a Kenyan research institution that collaborates with TWAS in its fellowship programme and associations. She is the fourth chief executive officer, and the first woman, to lead *icipe*.

Kelemu was previously the director of biosciences for eastern and central Africa for the International Livestock Research Institute and the vice president of programmes at the Alliance for a Green Revolution in Africa. She has also been a senior scientist and later the leader of crop and agro-ecosystem health management at the International Centre for Tropical Agriculture in Cali, Colombia. She won the 2011 TWAS Prize for Agricultural Sciences jointly with *icipe* scientist Zeyaur Khan.



Based in Nairobi, Kenya, *icipe* conducts research and assists rural and urban communities in Africa to implement strategies that are environmentally safe, affordable and accessible, for the control of crop pests and disease vectors, and the exploitation of useful insects.

## KLAUS KRICKEBERG HONOURED

• TWAS Fellow **Klaus Krickeberg**, elected in 1994, has received the Doctor Honoris Causa from Vietnam National University in Ho Chi Minh City.



Krickeberg, a German mathematician living in France, has worked extensively in both Latin America and Southeast Asia in mathematical statistics and public health. He has dedicated much of his life and career to developing Vietnam's health sector and in the past has received the Medal of Merit from the Vietnamese Ministry of Health.

The honorary degree recognizes Krickeberg's "contributions to the construction of Vietnam in the last 50 years, in particular research, teaching and application of the statistical sciences, to consolidating Public Health and to developing the friendship between the people of Vietnam, France and Germany."

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• **Lawrence A. Wilson**, professor emeritus of the Department of Food Production at University of West Indies (UWI) St. Augustine, Republic of Trinidad and Tobago (T&T), the president of the Association of Professional Agricultural Scientists of T&T, passed away 2 December 2013.

He was a TWAS Fellow, elected in 1991.

A native of T&T, Wilson earned a PhD in plant physiology from the University of Bristol (UK), in 1964. Then he served in the Ministry of Agriculture Central Experiment Station (1964-1967), and carried out studies on mineral nutrition and tree crops.

As a lecturer in the Department of Biological Sciences at UWI (1967-1975) he led the Root Crop Programme, studying early plant growth and tuberization methods for the selection of better cultivars. His results were described in over 70 publications.

He later served as head of the UWI Department of Biology and as dean of the Faculty of Agriculture. There he established postgraduate and training programmes in food nutrition and a distance education teaching programme.



Wilson also served on many regional and national boards, including the International Institute of Tropical Agriculture, and on editorial boards of international scientific publications.