

Brief Newsletter from World Scientific

January 2016

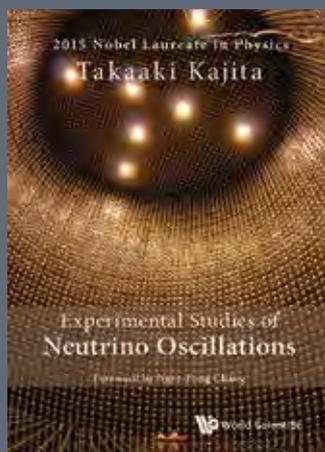
World Scientific Publishes New Titles on 2015 Nobel Laureates in Physics and Physiology or Medicine

2015 Nobel Laureate in Physics

Takaaki Kajita

Experimental Studies of Neutrino Oscillations

by Takaaki Kajita (*University of Tokyo*)



108pp	Jan 2016
978-981-4759-15-1	US\$38 £25
978-981-4759-26-7(pbk)	US\$18 £12

This seminal volume of Takaaki Kajita's works on neutrino oscillations provides a rare glimpse of research on the frontiers of neutrino physics and is a good example of the rise of Asian research as a force to be reckoned with in various fields of scientific research.

Takaaki Kajita, a Japanese physicist known for neutrino experiments at the Kamiokande and the Super-Kamiokande, is also joint winner of the 2015 Nobel Prize in Physics.

2015 Nobel Laureate in Physiology or Medicine

Tu Youyou

Tu Youyou and Artemisinin

edited by Yi Rao, Daqing Zhang, Runhong Li
(*Peking University*)



200pp	Mar 2016
978-981-3109-88-9	US\$68 £45
978-981-3109-89-6(pbk)	US\$38 £25

Tu Youyou won the 2015 Nobel prize in Physiology or Medicine for the discovery of artemisinin, a drug therapy for malaria that has saved millions across the globe.

In 1967, Youyou was appointed to lead a talented team of scientists. Unlike other scientists who were involved in malaria research, Youyou's team took the unusual approach of letting traditional Chinese medicine play a prominent role. The approach allowed precise analysis of the superior effect of traditional Chinese medicine on the prevention and treatment of malaria.

This unique book, edited by Professors Yi Rao and Daqing Zhang and university lecturer Runhong Li, provides insights into the laureate's research journey, culminating in the discovery of artemisinin. An inspirational read for young scientists embarking on the path of research!

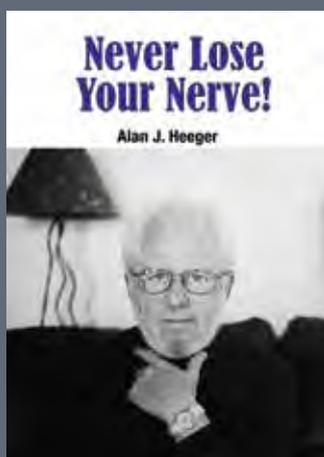
■ Books by Nobel Laureates ■

2000 Nobel Laureate in Chemistry

Alan J. Heeger

Never Lose Your Nerve!

by Alan J. Heeger (UC Santa Barbara)



“ A wonderful tale of a brilliant man's journey from a small town in northwest Iowa to Stockholm and the King of Sweden. This book is also a love story covering with great joy and humor Alan and Ruth's multifaceted life together. **Never Lose Your Nerve!** tells us how to appreciate good fortune and handle adversity. A must read for its insights into a scientific mind and a world view reflecting the power of intellect and optimism. This man of grace with a sense of the ridiculous teaches us how scientific genius soars and how love keeps it grounded. ”

Ambassador Shirin Tahir-Khel

1999 Nobel Laureate in Physics

Gerard 't Hooft

Time in Powers of Ten

Natural Phenomena and Their Timescales

by Gerard 't Hooft & Stefan Vandoren
(Utrecht University, The Netherlands)



In this richly illustrated book, Nobel Laureate Gerard 't Hooft and theoretical physicist Stefan Vandoren describe the enormous diversity of natural phenomena that take place at different time scales.

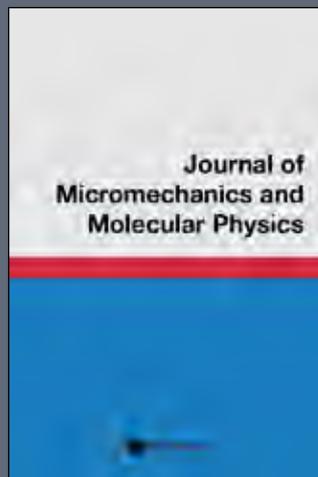
Japanese edition now available!

■ New Journal in Applied Science ■

World Scientific launches new journal on applied and computational mechanics
Available in e-version and print

Journal of Micromechanics and Molecular Physics

by Shaofan Li (*UC Berkeley*)



The new journal, *Journal of Micromechanics and Molecular Physics (JMMP)*, aims at providing a scholarly dissemination forum to discuss and document research of materials with microstructures at meso- and nanoscale, and molecular physics at lattice and atomistic scales.

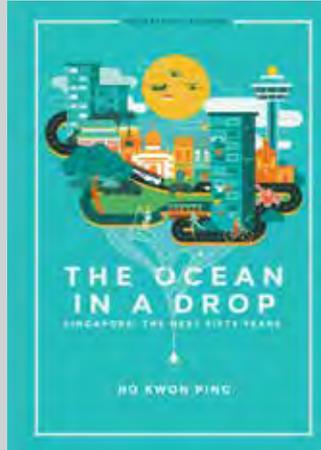
In particular, the journal covers research in molecular dynamics modeling and simulation and condensed physics of solids, defect mechanics and physics, such as dislocation, fracture, void nucleation, and damage.

With an emphasis on lattice microstructures and materials genome, the journal will bridge the atomistic and meso- and continuum scales. The Editor-in-Chief of the new journal is Prof Shaofan Li from UC Berkeley. The journal will also be managed by executive editors, Sergey Dmitriev from the Russian Academy of Sciences, Leon Keer of Northwestern University and Kun Zhou from Nanyang Technological University, Singapore.

The Ocean in a Drop

Singapore: The Next Fifty Years

by Ho Kwon Ping (*Chairman of Singapore Management University's Board of Trustees*)



Adopting a forward-looking stance, Ho Kwon Ping, also Executive Chairman of Banyan Tree Holdings, offers innovative ideas and robust views on the evolution of governance and key institutions that are necessary for ensuring the sustainable continuance of the "improbable nation" that is Singapore. This popular book will soon be available in Chinese, so please do look out for it!

WSPC Sponsors the Most Outstanding Junior College Science Student for 2015 Nobel Prize Award Ceremony in Stockholm



Preston Ching with Nobel Laureate Professor Takaaki Kajita at the Nobel reception

WSPC-ICAAS most outstanding Junior College science student prize winner for 2015, Preston Ching, was recently in Sweden for the 2015 Stockholm International Youth Science Seminar. Excerpts of his report on the trip will be published in WSP's corporate newsletter in March. As part of WSPC's youth outreach programme, Preston's experience reflects the efforts to bridge the gap between students and Nobel laureates as well as WSPC's sponsorship of programmes over the last 16 years that broaden the reach of scientific knowledge and education.