

Brief Newsletter from World Scientific

June 2016

World Scientific Remembers Physics Legends

World Scientific Commemorates One of Its Best Physics Authors Sir Tom Kibble

Leading British physicist and World Scientific author, Professor Sir Tom Kibble, has died at the age of 83.

World Scientific was saddened by the news of Sir Tom's passing. He was working on a book project for the company. In the pipeline is a memorial volume, which will include parts of the unfinished book and the correspondents with our Chairman Prof KK Phua on the project.



Most noted for his early work on the Higgs mechanism and Higgs boson with Gerald Guralnik and C. R. Hagen in 1964, Prof Kibble was a distinguished theoretical physicist whose work illuminated quantum field theory, especially the interface between high-energy particle physics and cosmology.

Despite the controversial decision not to include him in the 2013 Nobel Prize in Physics, Prof Kibble has been honoured for his work through the decades. Prestigious institutions in the field of physics and science, such as The American Physical Society and the Royal Society, have recognised the impact of his research and work through awards that range from the 2010 J. J. Sakurai Prize for Theoretical Particle Physics to the Hughes Medal. He was also knighted in 2014 for his services to physics.

Two of Prof Kibble's important publications with World Scientific, *Classical Mechanics (5th Edition)* and *Symmetry and Fundamental Physics: Tom Kibble at 80*, best capture the spectrum of his research interests and work.

Classical Mechanics (5th Edition)

<http://www.worldscientific.com/worldscibooks/10.1142/p310>



Symmetry and Fundamental Physics: Tom Kibble at 80

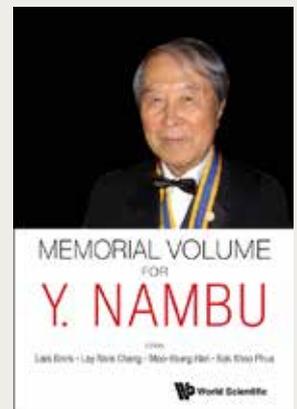
<http://www.worldscientific.com/worldscibooks/10.1142/9073>



To celebrate the life and work of Prof Tom Kibble, World Scientific will be giving free access to two chapters by Steven Weinberg and Frank Close in *Symmetry and Fundamental Physics: Tom Kibble at 80* for a limited period.

A unique volume in memory of Nobel Laureate Yoichiro Nambu presented by World Scientific

Celebrating the work and life of a leading figure in modern physics, World Scientific Publishing presents a unique collection of papers on the late Professor Yoichiro Nambu. Written by former colleagues, collaborating researchers, former students and associates, the volume discusses Nambu's great contributions to physics. In addition, the volume contains many personal and private reminiscences, some never before revealed. Most invaluable is the very last scientific text written by Nambu himself on the development of particle physics. Not to be missed by professionals in the field and all interested in particle physics.



List of contributors:

Steven Weinberg (*University of Texas at Austin*)
Tom Kibble (*Imperial College London*)
Michael Turner (*University of Chicago*)
Giovanni Jona-Lasinio (*Università di Roma La Sapienza*)
Peter G. O. Freund (*University of Chicago*)
Jeffrey Harvey (*University of Chicago*)
Emil Martinec (*University of Chicago*)
Pierre Ramond (*University of Florida*)
Lars Brink (*Chalmers University of Technology*)
Lay Nam Chang (*Virginia Tech*)
Moo-Young Han (*Duke University*)
Kazuo Fujikawa (*RIKEN, Japan*)
Holger Bech Nielsen (*University of Copenhagen*)
Louis Clavelli (*Tufts University and University of Alabama*)
Paul Frampton (*University of North Carolina*)
Jorge Willemsen (*University of Miami RSMAS*)



Company News

World Scientific launches *Majulah! 50 Years of Malay/Muslim Community in Singapore* Attended by former Singapore President SR Nathan and Singapore Cabinet Ministers Chan Chun Sing and Yaacob Ibrahim



From left to right: **Mr Zainul Abidin Rasheed** (former Senior Minister of State for Foreign Affairs and Community leader; currently Singapore's Ambassador to the State of Kuwait (non-resident) and the Foreign Minister's Special Envoy to the Middle East), **Minister Dr Yaacob Ibrahim** (Minister for Communications and Information, Minister-in-Charge of Cyber Security and Minister-in-Charge of Muslim Affairs), **Mr S R Nathan** (Former President of Singapore), **Minister Chan Chun Sing** (Minister in Prime Minister's Office & Secretary-General, National Trades Union Congress), **Dr Norshahril Saat** (Fellow at ISEAS-Yusof Ishak Institute) & **Dr K K Phua** (Chairman of World Scientific Publishing) unveiling the cover of "*Majulah! 50 Years of Malay/Muslim Community in Singapore*". Photo by World Scientific.

29 May 2016 saw World Scientific's successful launch of *Majulah! 50 Years of Malay/Muslim Community in Singapore*, a book that celebrates 50 years of the Malay/Muslim community in Singapore, at a historic venue, The Arts House @ Old Parliament.

The event was graced by Minister Chan Chun Sing, Minister in the Prime Minister's Office & Secretary-General of the National Trades Union Congress and saw the attendance of over 100 guests including former President S R Nathan, Minister for Communications and Information and Minister-in-charge of Muslim Affairs Yaacob Ibrahim, Parliamentary Secretary for Social and Family Development Faishal Ibrahim, labour MP Zainal Sapari, community leaders and foreign dignitaries.

There was wide media coverage of the event including an interview of the book editors Zainul Abidin Rasheed (Former Senior Minister of State for Foreign Affairs and Community leader) and Dr Norshahril Saat (Fellow, ISEAS-Yusof Ishak Institute) aired by SURIA Berita (video link http://bit.do/WSPC_SG50_Majulah_SURIA).

For more information about the book or to order the book online, please visit <http://www.worldscientific.com/worldscibooks/10.1142/9980>



Praise for the book:

"The Malay/Muslim community has played a vital role in [the journey of Singapore]. They joined hands with other communities, tackled challenges together and achieved progress and prosperity together. These essays capture part of this SG50 journey from the perspective of the Malay/Muslim community...I hope readers will draw valuable lessons from the past as we prepare for the future. Where Singapore goes from here will depend on each of us... Majulah Singapura!"

Lee Hsien Loong

Prime Minister of Singapore
taken from the Foreword of *Majulah! 50 Years of Malay/Muslim Community in Singapore*.

"I thought this was an important effort on the part that it documents our history. At the end of the day if we don't appreciate our history, nobody will. It is an effort we support and [we] really affirm the need for us to continue documenting our history so that the next generation can understand...and I hope the next generation can build upon what they [Mr Zainul Abidin Rasheed & Dr Norshahril Saat] have done..."

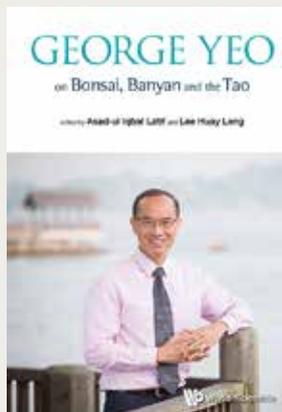
Dr Yaacob Ibrahim

Minister for Communications and Information, Minister-in-Charge of Cyber Security and Minister-in-Charge of Muslim Affairs
in a media interview at the Launch of *Majulah! 50 Years of Malay/Muslim Community in Singapore*.

Company News

Former Singapore Foreign Minister George Yeo's bestseller to be translated into Italian

Mainland China Edition is to be released by Fudan University Press, Shanghai



World Scientific Publishing is proud to announce that the bestseller *George Yeo on Bonsai, Banyan and the Tao* is to be translated into Italian. Italian publishing concern, Aracne editrice, which specialises in academic and scientific literature, is the chosen partner for the Italian volume. The translated volume is expected to be released in early 2017.

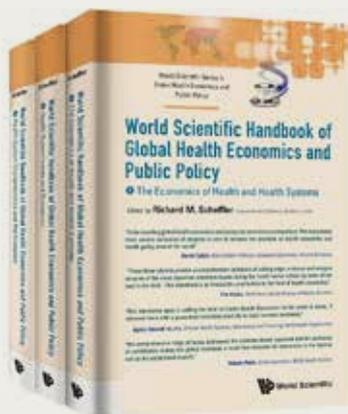
In addition, a mainland China edition is to be released by Fudan University Press, Shanghai, soon.

This Mainland China edition is an addition to the existing simplified and traditional Chinese versions that are currently on the market and represents the entry of the book into the wider Chinese market.

<http://www.worldscientific.com/worldscibooks/10.1142/8859>



NY Launch of *World Scientific Handbook of Global Health Economics and Public Policy*



World Scientific Publishing's New Jersey office oversaw the launch of the *World Scientific Handbook of Global Health Economics and Public Policy* at New York University's Robert F. Wagner Graduate School of Public Service on 13 April 2016. Emphasising the importance of the volume to the health economics sector, Dr Scheffler invited Dr Sherry Glied, Dean of NYU's Robert F. Wagner Graduate School of Public Service and Dr. Alexander S. Preker, President and CEO of the Health Investment and Financing Corporation as speakers for the event. Dr Scheffler was full of praise for World Scientific Publishing, referring to the company as a quality publisher and thanking staff for the effort put in the project.

<http://www.worldscientific.com/worldscibooks/10.1142/9200>



American University of Beirut Acquires Entire World Scientific E-Book Collection for Library

World Scientific signed an agreement to provide access to its entire e-book collection to the library of the American University of Beirut. This would allow students and faculty to access almost 7,000 titles in the areas of Science, Technology, Medicine and the Social Sciences. The university further agreed to acquire full collections from World Scientific over the next three years.

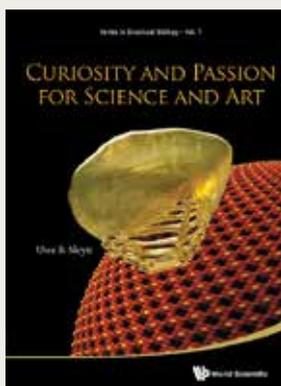
World Scientific's Managing Director, Mr Max Phua said "AUB has several key research institutes in areas like Arab and Middle Eastern studies, Energy, Innovation, Entrepreneurship, Mathematical Sciences and many others. Therefore the additional content that we provide will be key to furthering research and development in the university."

New Titles

Series in Structural Biology: Volume 7 **Curiosity and Passion for Science and Art**

By: **Uwe B Sleytr**

(University of Natural Resources and Life Sciences, Vienna, Austria)



This book describes the accomplishments of a curious and imaginative scientist, specifically his endeavours to translate or even extrapolate scientific insights and export them to the world of art.

The science segment in this volume focuses on S-layers, unique building blocks and patterning elements for the production of complex supramolecular structures and nanoscale devices. Often found on the surface of numerous Bacteria and nearly all Archaea, S-layer proteins are one of the most abundant biopolymers on our planet and assemble into the simplest type of biological membrane.

In the second part of the book the author passionately describes how his scientific activities stimulated his art work, in particular the visualization of results and the potential of synthetic biology and evolutionary events induced by genetic manipulations. Most importantly, he describes how engagement in art allows him to leave the rather curtailed canon of science and reach a mental state of unlimited freedom of thought. Mask-like sculptures are used as examples of visualization of the intersection between science and art, particularly the unpredictability and mysterious nature of scientific visions.

A book that will surely interest students and researchers in microbiology, nanobiotechnology, structural biology, supramolecular chemistry, and the arts.

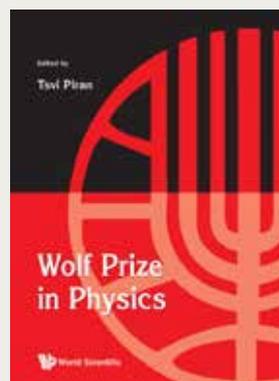
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Wolf Prize in Physics

Edited by: **Tsvi Piran**

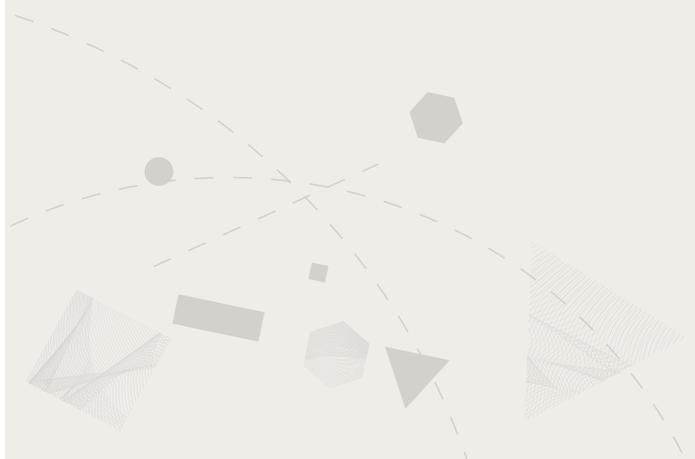
(Hebrew University of Jerusalem, Israel)



The Wolf Foundation began its activities in 1976, with an initial endowment donated by the Wolf family. Within a very short period of time after its initiation, the Wolf prize has become one of the major signs for recognition of scientific achievements and excellence.

This volume is devoted to a selection of Wolf Prize laureates in Physics and each includes two respective major publications as well as a commentary written by the laureate describing his scientific career. Readers around the world are provided the unique opportunity for a glimpse at how scientific processes work in physics, and to comprehend how these laureates have left an indelible imprint on scientific history.

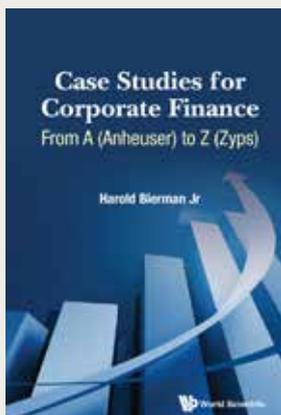
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New Titles in Social Sciences

Case Studies for Corporate Finance From A (Anheuser) to Z (Zyps)

By: **Harold Bierman Jr** (Cornell University)



Case Studies for Corporate Finance: From A (Anheuser) to Z (Zyps) provides a distinctive collection of 51 real business cases dealing with corporate finance issues between 1985 and 2014. Written by Harold Bierman, world-renowned author in the field of corporate finance, the book spans different areas of finance which range from capital structures to leveraged buy-outs and restructuring. While the primary focus of the case studies is the economy of the United States, other parts of the world are also represented. What is notable in this comprehensive book is the section of questions and the unique solutions offered to them in the latter section of the book, all of which aim to provide the reader with simulated experience of real business situations involving corporate financial decision-making. Case studies covered include Time Warner (1989–1991), The Walt Disney Company (1995), Exxon–Mobil (1998), Mitsubishi's Zero Coupon Convertible Bond (2000) and Apple (2014). A must read for MBA students and all interested in corporate finance!

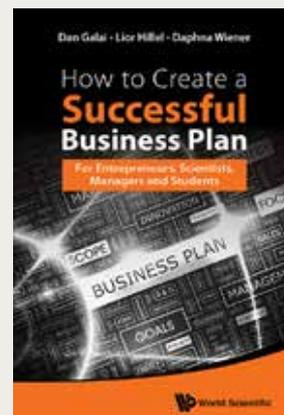
<http://www.worldscientific.com/worldscibooks/10.1142/9550>



How to Create a Successful Business Plan

For Entrepreneurs, Scientists,
Managers and Students

By: **Dan Galai** (The Hebrew University of Jerusalem, Israel),
Lior Hillel (Independent Business Consultant, Switzerland),
Daphna Wiener (The Hebrew University of Jerusalem, Israel)



How can all the elements of a business be analysed effectively in one comprehensive model and translated to a business plan? At various points in the life of a business, entrepreneurs will need to take stock of ideas or plans and reformulate them in business as well as financial terms. *How to Create a Successful Business Plan* discusses dynamic planning for businesses and provides a structured approach to business planning that focuses on the main components of the business model, while addressing key issues often raised by investors and potential business partners.

The book provides a framework in which professionals from a broad range of backgrounds can work together on successful business plans. Readers will find the discussion of business models to be in depth yet accessible and couched in easily understood terms.

Recommended reading for business and management students, independent entrepreneurs, executives, potential business partners and service providers.

<http://www.worldscientific.com/worldscibooks/10.1142/9475>

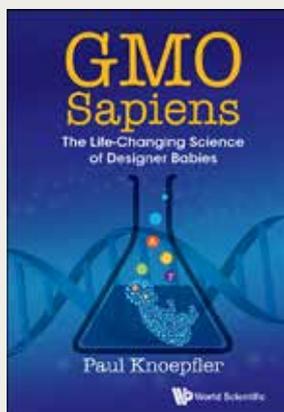


Book Reviews

GMO Sapiens

The Life-Changing Science of Designer Babies

By: **Paul Knoepfler** (UC Davis)



“What I find troubling, exciting but scary, is that I find myself agreeing with an undertone, I do not support human germline genetic modification but with all the new information and perspectives available to me I have found myself questioning my own views and will be watching any developments with a fascinated interest I would rather not admit to.”

The NODE

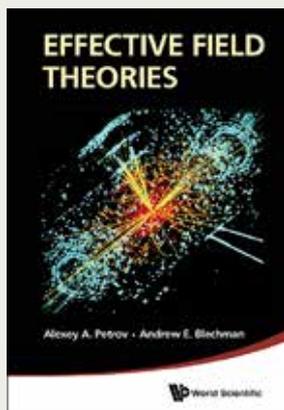
“Knoepfler provides useful and accessible summaries of the public debates that surrounded the introduction of GMO foods, IVF, attempts at human cloning, and our current fascination with mitochondrial replacement. You should read both this book and Knoepfler’s blog. If you are not a blog person, I recommend reading this book as a good introduction both to the subject matter and to the methodology of a science blogger.”

Cell

“It’s a wonderfully well-written book that anyone can read, even someone like me who doesn’t have a science background. He does a good job of leading the reader through the development of these technologies to the portrayal of these concepts in literature to movies.”

The Stem Cellar

<http://www.worldscientific.com/worldscibooks/10.1142/9542>



Effective Field Theories

By: **Alexey A Petrov** (Wayne State University, USA), **Andrew E Blechman** (Wayne State University, USA)

“The volume is very well written, it is continuous, and includes a rich introduction on the main topics necessary to understand and use EFTs, such as symmetries, renormalization-group methods and anomalies. The tone of the book makes it suitable not only for practitioners in the field, but also for students looking for a broad perspective on different QFT topics – the common EFT language providing the thread – and for teachers searching for analogies and similarities between advanced and classical topics.”

CERN Courier

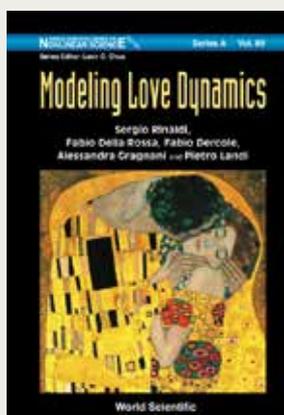
<http://www.worldscientific.com/worldscibooks/10.1142/8619>



Modeling Love Dynamics

World Scientific Series on Nonlinear Science Series A: Volume 89

By: **Sergio Rinaldi** (Politecnico di Milano, Italy & International Institute for Applied Systems Analysis, Austria), **Fabio Della Rossa** (Politecnico di Milano, Italy), **Fabio Dercole** (Politecnico di Milano, Italy), **Alessandra Gragnani** (Politecnico di Milano, Italy), **Pietro Landi** (Stellenbosch University, South Africa)



“It was certainly not an easy task to write for applied mathematicians and for sociologists and psychologists at the same time, but the authors succeeded in satisfying both sides of the spectrum. The result is a well organized and easily understandable book that I read with great pleasure, not only because of its content but also for its wonderful outlay. A series of pictures showing famous heroes and interesting stories illustrate love affairs in a nice manner.”

Gustav Feichtinger

University of Technology, Vienna

“In many respects the book evolves around the two most powerful products of the human mind: art and science. Clearly, the arts are superior when it comes to capturing the depth of love affairs. Yet, the bare bones of the drivers of stable love, transient affairs and neurotic dynamics are captured powerfully by the disarmingly simple math. What topic would be better suited to seduce a broad audience to play with equations?”

A View from the Bridge: Nature’s Books and Arts Blog

<http://www.worldscientific.com/worldscibooks/10.1142/9656>

