

## **April 2006 Curriculum Vitae R L Jefferies Biographical**

The book presents the winners of the Abel Prize in mathematics for the period 2013–17: Pierre Deligne (2013); Yakov G. Sinai (2014); John Nash Jr. and Louis Nirenberg (2015); Sir Andrew Wiles (2016); and Yves Meyer (2017). The profiles feature autobiographical information as well as a scholarly description of each mathematician's work. In addition, each profile contains a Curriculum Vitae, a complete bibliography, and the full citation from the prize committee. The book also includes photos for the period 2003–2017 showing many of the additional activities connected with the Abel Prize. As an added feature, video interviews with the Laureates as well as videos from the prize ceremony are provided at an accompanying website (<http://extras.springer.com/>). This book follows on *The Abel Prize: 2003-2007. The First Five Years* (Springer, 2010) and *The Abel Prize 2008-2012* (Springer 2014), which profile the work of the previous Abel Prize winners.

Provides timely and informative profiles of the world's most interesting people.

This book presents a market-consistent valuation framework for implicit embedded options in life insurance contracts. This framework is used to perform an empirical analysis based on more than 110,000 actual and in-force life insurance policies and with a focus on the modeling of interest rates. Its results are the answer to the central question posed in the objectives: What

value do the embedded options and guarantees considered have? This question is answered both absolutely and relative to the current policy reserves, from the perspective of the insurer, the policyholder and the shareholder respectively

Parameterized complexity is currently a thriving field in complexity theory and algorithm design. A significant part of the success of the field can be attributed to Michael R. Fellows. This Festschrift has been published in honor of Mike Fellows on the occasion of his 60th birthday. It contains 20 papers that showcase the important scientific contributions of this remarkable man, describes the history of the field of parameterized complexity, and also reflects on other parts of Mike Fellows's unique and broad range of interests, including his work on the popularization of discrete mathematics for young children. The volume contains several surveys that introduce the reader to the field of parameterized complexity and discuss important notions, results, and developments in this field.

The long-lasting effects of leprosy are still evident in various parts of the world. This book details the personal experiences of people in Fiji, New Caledonia, Samoa, Tonga and Vanuatu, the majority of whom contracted leprosy as children. It recounts how the victims were subject to prolonged isolation in various leprosaria as the first effective cure for leprosy only became available after 1949. Oral histories are utilized and verbatim extracts demonstrate the level of stigma experienced by these young people. Topics covered include the exact nature of the diagnosis, removal from one's family, the

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experience of isolation, and the reaction of family and villages upon the individual's return to community life. Essays on the medieval chronicle tradition, shedding light on history writing, manuscript studies and the history of the book, and the post-medieval reception of such texts. The histories of chronicles composed in England during the fourteenth and fifteenth centuries and onwards, with a focus on texts belonging to or engaging with the Prose Brut tradition, are the focus of this volume. The contributors examine the composition, dissemination and reception of historical texts written in Anglo-Norman, Latin and English, including the Prose Brut chronicle (c. 1300 and later), Castleford's Chronicle (c. 1327), and Nicholas Trevet's Les Cronicles (c. 1334), looking at questions of the processes of writing, rewriting, printing and editing history

Darwin is an emperor who has no clothes— but it takes a brave man to say so. Jonathan Wells, a microbiologist with two Ph.D.s (from Berkeley and Yale), is that brave man. Most textbooks on evolution are written by Darwinists with an ideological ax to grind. Brave dissidents—qualified scientists—who try to teach or write about intelligent design are silenced and sent to the academic gulag. But fear not: Jonathan Wells is a liberator. He unmaskes the truth about Darwinism— why it is wrong and what the real evidence is. He also supplies a revealing list of "Books You're Not Supposed to Read" (as far as the Darwinists are concerned) and puts at your fingertips all the evidence you need to challenge the most closed-minded Darwinist.

Service orientation is emerging nowadays at multiple organizational levels in enterprise business, and it leverages technology in response to the growing need for greater business integration, flexibility and agility of manufacturing enterprises. The Service Oriented Architecture (SOA)

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analysed throughout the book represents a technical architecture, a business modelling concept, a type of infrastructure, an integration source and a new way of viewing units of automation within the enterprise. The primary goal of SOA is to align the business world with the world of information technology in a way that makes both more effective. The service value creation model at enterprise level consists of using a Service Component Architecture for business process applications, based on entities which handle services. In this view a service is a piece of software encapsulating the business/control logic or resource functionality of an enterprise entity that exhibits an individual competence and responds to a specific request to fulfil a local (operation) or global objective (batch production). The value creation model is based on a 2-stage approach: •

Agentification: complex manufacturing processes are split in services provided by informational agents which are discovered, accessed and executed. This leads to a modular, reusable, agile and easy integrate integration. •

Holonification: holons link the material flow and physical entities of the manufacturing processes with the informational part (IT services realized by distributed intelligence) facilitating thus traceability the developing of flexible control systems. This book gathers contributions from scientists, researchers and industrialists on concepts, methods, frameworks and implementing issues addressing trends in the service orientation of control technology and management applied to manufacturing enterprise. This book gathers contributions from scientists, researchers and industrialists on concepts, methods, frameworks and implementing issues addressing trends in the service orientation of control technology and management applied to manufacturing enterprise.

This compelling history traces contemporary feminist interest

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in science to the World War II and early Cold War years. During a period when anxiety about America's supply of scientific personnel ran high and when open support for women's rights generated suspicion, feminist reformers routinely invoked national security rhetoric and scientific "manpower" concerns in their efforts to advance women's education and employment. Puaca brings to light the untold story of an important but largely overlooked strand of feminist activism. This book reveals much about the history of American feminism, the politics of national security, and the complicated relationship between the two.

The Oxford Handbook of the History of Psychology: Global Perspectives describes the historical development of psychology in countries throughout the world. Contributors to this volume provide narratives that examine the political and socioeconomic forces that have shaped their nations' psychologies.

This volume examines the process by which Keynes' message got interpreted and re-interpreted and thus separated into a Left and a Right political-economic stream. Archival evidence is used to shed a fresh light on many of the controversies (and colourful characters) of the Keynesian tradition.

The Politically Incorrect Guide to Darwinism and Intelligent Design  
Simon and Schuster

Once upon a time, virtually no one in the academy thought to sue over campus disputes, and, if they dared, judges bounced the case on grounds that it was no business of the courts. Not so today. As Amy Gajda shows in this witty yet troubling book, litigation is now common on campus, and perhaps even more

commonly feared. This book explores the origins and causes of the litigation trend, its implications for academic freedom, and what lawyers, judges, and academics themselves can do to limit the potential damage.

These documents record the international effort over the past three and a half years to address serious concerns regarding Iran's nuclear programme. The optimism expressed in the final document in the previous collection (2005, Cm6443, ISBN 9780101644327) has not been borne out. Iran resumed conversion activities and enrichment, and has not complied with several United Nations Security Council resolutions to suspend enrichment. International Atomic Energy Agency requests for information, access to documents and access to individuals, have not been satisfied. The documents detail the activities of the IAEA and the European Union to ensure that the international community can be confident about the real nature of Iran's nuclear activities.

Includes selected papers from meetings of the Society and of its sections.

Now in its Sixth Edition, this foremost leadership and management text incorporates application with theory and emphasizes critical thinking, problem solving, and decision making. More than 225 case studies and learning exercises promote critical thinking and interactive discussion. Case studies

cover a variety of settings, including acute care, ambulatory care, long-term care, and community health. The book addresses timely issues such as leadership development, staffing, delegation, ethics and law, organizational, political, and personal power, management and technology, and more. Web links and learning exercises appear in each chapter. An Instructor's CD-ROM includes a testbank and PowerPoint slides.

The increasing demand for ubiquitous data service sets high expectations on future cellular networks. They should not only provide data rates that are higher by orders of magnitude than today's systems, but also have to guarantee high coverage and reliability. Thereby, sophisticated interference management is inevitable. The focus of this work is to develop cooperative transmission schemes that can be applied to cellular networks of the next generation and beyond. For this, conventional network architectures and communication protocols have to be challenged and new concepts need to be developed. Starting from cellular networks with base station cooperation, this thesis investigates how classical network architectures can evolve to future networks in which the mobile stations are no longer served by base stations in their close vicinity, but by a dynamic and flexible heterogeneity of different nodes. With the transition from classical cell-based networks to relay enabled post-cellular networks, we

trade off node complexity with density. Aggressive spatial multiplexing can thereby deliver high data rates to large areas in a very efficient way, even when the backhaul capacity is limited or when in certain areas no backhaul access is available at all. The beneficial performance scaling shows that such post-cellular networks can offer a flexible and dynamic solution for mobile communication of future generations.

Biography of Allan MacLeod Cormack, a physicist who was awarded the Nobel Prize for Medicine in 1979 for his pioneering contributions to the development of the computer-assisted tomography (CAT) scanner, an honour he shared with Godfrey Hounsfield.

In this thesis, the author describes the functional contribution of different brain areas to language and knowledge processes and he sheds light on disease mechanisms underlying cognitive dysfunction in patients with neurodegenerative disorders.

Over the past generation, the practice of legal nurse consulting has grown to include areas such as life care planning, risk management, and administrative law, as well as taking on a more diversified role in both criminal and civil law and courtroom proceedings. First published in 1997, *Legal Nurse Consulting, Principles and Practices* provided pro I enjoyed reading this book, which draws together a selection of case studies in entrepreneurship and innovation from eight

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new EU member countries that are still in the process of turbulent social and economic change. . . Each case is fascinating reading and in many of the studies the vibrant nature of the entrepreneurial change-driver shines through. . . the book is aimed at academics and researchers of entrepreneurship as well as undergraduate and postgraduate students of international business and entrepreneurship , as well as practitioners carrying out business in the transition economies. I would agree with that, the case studies do bring out the exciting and challenging nature of what has been, and can be achieved. . . there is much sound material here to stimulate both insight, and detailed classroom discussions. I would certainly recommend the book for a library purchase. . . it may well be a very useful purchase for researchers and students of the selected case countries. Lorraine Warren, International Journal of Entrepreneurial Behaviour and Research This volume offers insights into ways entrepreneurs innovate and adapt to political-economic structural changes. Detailed case studies illustrate how the adoption of new technology, creation of hybrid social and economic mission ventures and strategic re-orientation led to success in these transition economies. The stories of how these teams pooled resources, persevered and devised new approaches to innovation by creating something new or internationalizing gives us a sense of the new entrepreneurial approaches needed to succeed in this region. Given there were few role models and road maps, these entrepreneurs had to learn by doing. Their stories are inspirational and provide valuable lessons for entrepreneurial success in the wake of turbulent political-economic restructuring. Candida G. Brush, Babson College, US This original selection of case studies from eight new EU member countries looks at the ability of entrepreneurs to develop innovative and successful firms in an environment of turbulent social and economic change. The

Cutting Edge focuses on the innovative potential that these transition country environments provide and how entrepreneurs have been able to convert these possibilities into successful businesses. The contributors highlight specific aspects of the interplay between the institutional setting and the environment. They also elucidate the individual characteristics of the entrepreneur that create an enabling context for innovative behaviour to develop and grow, drawing attention to the opportunities and constraints offered in each environment. This book provides invaluable insights for academics and researchers of entrepreneurship as well as undergraduate and postgraduate students of international business and entrepreneurship. It will also provide a stimulating and important read for people conducting business in Europe.

In this thesis, the author investigates hidden-order phase transition at  $T_0 = 17.5$  K in the heavy-fermion URu<sub>2</sub>Si<sub>2</sub>. The four-fold rotational symmetry breaking in the hidden order phase, which imposes a strong constraint on the theoretical model, is observed through the magnetic torque measurement. The translationally invariant phase with broken rotational symmetry is interpreted as meaning that the hidden-order phase is an electronic “nematic” phase. The observation of such nematicity in URu<sub>2</sub>Si<sub>2</sub> indicates a ubiquitous nature among the strongly correlated electron systems. The author also studies the superconducting state of URu<sub>2</sub>Si<sub>2</sub> below  $T_c = 1.4$  K, which coexists with the hidden-order phase. A peculiar vortex penetration in the superconducting state is found, which may be related to the rotational symmetry breaking in the hidden-order phase. The author also identifies a vortex lattice melting transition. This transport study provides essential clues to the underlying issue of quasiparticle dynamics as to whether a quasiparticle Bloch state is realized in the periodic vortex lattice.

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Nonlinear optical (NLO) phenomena such as frequency conversion have played a key role in the development of photonic technologies. This thesis reports a detailed study of the molecular response of a large variety of push-pull organic compounds using the Second Harmonic Generation technique, which will serve as a starting point for the investigation at the macroscopic scale of azobenzene-based liquid crystalline polymeric films and their blends with highly efficient NLO chromophores. These materials are designed with the aim of exploiting their photoaddressability in order to tailor their nonlinear behaviour. The magnitude and symmetry of their NL response was successfully controlled via light irradiation and thermal treatments. Moreover, as a specific application, the recording of efficient NLO gratings was achieved.

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