

## Le Bolle Di Yuanyuan Future Fiction Vol 37

For centuries, the art of translation has been misconstrued as a solitary affair. Yet, from Antiquity to the Middle Ages, groups of translators comprised of specialists of different languages formed in order to transport texts from one language and culture to another. Collaborative Translation uncovers the collaborative practices occluded in Renaissance theorizing of translation to which our individualist notions of translation are indebted. Leading translation scholars as well as professional translators have been invited here to detail their experiences of collaborative translation, as well as the fruits of their research into this neglected form of translation. This volume offers in-depth analysis of rich, sometimes explosive, relationships between authors and their translators. Their negotiations of cooperation and control, assistance and interference, are shown here to shape the translation of prominent modern authors such as Günter Grass, Vladimir Nabokov and Haruki Murakami. The advent of printing, the cultural institutions and the legal and political environment that regulate the production of translated texts have each formalized many of the inherently social and communicative practices of translation. Yet this publishing regime has been profoundly disrupted by the technologies that are currently revolutionizing collaborative translation techniques. This volume details the impact that this technological and environmental evolution is having upon the translator, proliferating sites and communities of collaboration, transforming traditional relationships with authors and editors, revisers, stage directors, actors and readers. The fourth in a new series of graphic novels from Hugo Award-winning author Liu Cixin and Talos Press Ever since she was a child, Yuanyuan always dreamed of blowing big bubbles.

But her father worries about her fascination—he wants Yuanyuan to be as responsible and devoted to a calling as her mother was. As an adult, Yuanyuan creates a multimillion-dollar business out of the technology she developed for her doctoral thesis. But she still dreams of blowing the biggest bubble she can. When his daughter uses her high-tech methods to blow a bubble big enough to envelop a city, Yuanyuan's father thinks back to the dreams he and Yuanyuan's mother chased when they were young. In the end, Yuanyuan's bubbles bring her father's dreams to life. The fourth of sixteen new graphic novels from Liu Cixin and Talos Press, *Yuanyuan's Bubbles* is an epic tale of the future that all science fiction fans will enjoy.

The inspection and evaluation of bridges in Indiana is critical to ensure their safety to better serve the citizens of the state. Part of this evaluation includes bridge load rating. Bridge load rating, which is a measure of the safe load capacity of the bridge, is a logical process that is typically conducted by utilizing critical information that is available on the bridge plans. For existing, poorly-documented bridges, however, the load rating process becomes challenging to adequately complete because of the missing bridge information. Currently, the Indiana Department of Transportation (INDOT) does not have a prescribed methodology for such bridges. In an effort to improve Indiana load rating practices INDOT commissioned this study to develop a general procedure for load rating bridges without plans. The general procedure was developed and it was concluded that it requires four critical parts. These parts are bridge characterization, bridge database, field survey and inspection, and bridge load rating. The proposed procedure was then evaluated on two bridges in Indiana that do not have plans as a proof of concept. As a result, it was concluded that load rating of bridges without plans can be successfully completed using the general procedure. A flowchart describing the general

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procedure was created to make the load rating process more user-friendly. Additional flowcharts that summarize the general procedure for different type of bridges were also provided.

From science fiction legend Cixin Liu, the New York Times bestselling and award-winning author of *The Three-Body Problem*, comes a vision of the future that reads like *Lord of the Flies* on a global scale in *Supernova Era*. In those days, Earth was a planet in space. In those days, Beijing was a city on Earth. On this night, history as known to humanity came to an end. Eight light years away, a star has died, creating a supernova event that showers Earth in deadly levels of radiation. Within a year, everyone over the age of thirteen will die. And so the countdown begins. Parents apprentice their children and try to pass on the knowledge needed to keep the world running. But when the world is theirs, the last generation may not want to continue the legacy left to them. And in shaping the future however they want, will the children usher in an era of bright beginnings or final mistakes? "This audacious and ultimately optimistic early work will give Liu's English-reading fans a glimpse at his evolution as a writer and give any speculative fiction reader food for deep thought." -- Shelf Awareness

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THE STORY: Maria Callas is teaching a master class in front of an audience (us). She's glamorous, commanding, larger than life--and drop-dead funny. An accompanist sits at the piano. Callas' first victim is Sophie, a ridiculous, overly-perky sopra

Soon to be a Netflix Original Series! "Wildly imaginative." —President Barack Obama on *The Three-Body Problem* trilogy

This near-future trilogy is the first chance for English-speaking readers to experience this multiple-award-winning phenomenon from Cixin Liu, China's most

beloved science fiction author. In *The Dark Forest*, Earth is reeling from the revelation of a coming alien invasion—in just four centuries' time. The aliens' human collaborators may have been defeated, but the presence of the sophons, the subatomic particles that allow Trisolaris instant access to all human information, means that Earth's defense plans are totally exposed to the enemy. Only the human mind remains a secret. This is the motivation for the Wallfacer Project, a daring plan that grants four men enormous resources to design secret strategies, hidden through deceit and misdirection from Earth and Trisolaris alike. Three of the Wallfacers are influential statesmen and scientists, but the fourth is a total unknown. Luo Ji, an unambitious Chinese astronomer and sociologist, is baffled by his new status. All he knows is that he's the one Wallfacer that Trisolaris wants dead. *The Three-Body Problem Series* *The Three-Body Problem* *The Dark Forest* *Death's End* *Other Books* *Ball Lightning* *Supernova* *Era To Hold Up The Sky* (forthcoming) At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.

Established since 1986 as the definitive text and reference on use of radiation therapy for childhood cancer, *Pediatric Radiation Oncology* is now in its thoroughly revised and updated Fifth Edition. This edition reviews all significant recent clinical trials—including, for the first time, significant European clinical trials—and provides increased coverage of international and Third World issues. The latest cancer staging guidelines are included. New chapters cover psychosocial aspects of radiotherapy for the child and family and medical management of pain, nausea, nutritional problems, and blood count depression in the child with cancer. This edition also has full-color illustrations throughout. A companion website includes the full text and an image bank.

There is Alba. And there is everything else. In a future threatened by the spread of "kipple" (garbage & trash), Peter Payne is part of a fringe society that scavenges junk to survive. His days are spent in the refuse of humanity and running with a teenage gang called The Dead Bones lead by his brother Charlie. But when Peter finds beauty in the world in the shape of Alba, an advanced model female nexhuman, he finds purpose ... and love. When Charlie and The Dead Bones destroy Peter's dreams for the future, Peter embarks on a quest to rebuild the object of his obsession. Exploring themes such as cybernetics, consumerism, robotics, and transcendence, Nexhuman expands on classic science fiction to build a world as deep and searching as its main character.

This book provides a broad yet detailed introduction to neural networks and machine learning in a statistical framework. A single, comprehensive resource for study and further research, it explores the major popular neural network models and statistical learning approaches with examples and exercises and allows readers to gain a practical working understanding of the content. This updated new edition presents recently published results and includes six new chapters that correspond to the recent advances in computational learning theory, sparse coding, deep learning, big data and cloud computing. Each chapter features state-of-the-art descriptions and significant research findings. The topics covered include: • multilayer perceptron; • the Hopfield network; • associative memory models; • clustering models and algorithms; • the radial basis function network; •

recurrent neural networks; • nonnegative matrix factorization; • independent component analysis; • probabilistic and Bayesian networks; and • fuzzy sets and logic. Focusing on the prominent accomplishments and their practical aspects, this book provides academic and technical staff, as well as graduate students and researchers with a solid foundation and comprehensive reference on the fields of neural networks, pattern recognition, signal processing, and machine learning.

The first in a new series of graphic novels from Hugo Award-winning author Liu Cixin and Talos Press An annual ice sculpture festival draws the attention of an extraterrestrial visitor, who learns how to create such art and decides to use local resources to sculpt a piece in a gesture of goodwill. All the water in the ocean is sent to the stratosphere, where the ice sculptor uses splendid techniques to create crystal dominoes scattered by a giant of the cosmos. In the world of the ice sculptor, art is the sole reason for civilization's existence. After the ice sculptor creates the pinnacle of beauty, but also brings forth devastation and disaster, humanity decides during Earth's last breaths to fight for their survival. The first of sixteen new graphic novels from Liu Cixin and Talos Press, Sea of Dreams is an epic tale of the future that all science fiction fans will enjoy. This volume presents the four sub-themes of the 38th European Marine Biology

Symposium. These are patterns and processes, assessment, threats and management and conservation. Understanding the functioning of marine ecosystems is the first step towards measuring and predicting the influence of Man, and to finding solutions for the enormous array of problems we face today. The papers in this book represent current research and concerns about Marine Biodiversity in Europe.

"Daria Klimentova has been one of Britain's best-loved ballerinas for two decades, having danced at Scottish Ballet and then - since 1996 - as a Principal and Senior Principal at English National Ballet. Her repertory encompasses all of ballet's classic roles including the double role of Odette/Odile in Swan Lake. Her performances as the white and black swan at the Royal Albert Hall were the subject of a behind-the-scenes BBC Documentary in 2011. Daria was born in the former Czechoslovakia and lived under the rule of the Soviet Union until the Velvet Revolution of 1989. She initially trained as a young member of the Czech Olympic Gymnastics Squad before transferring to ballet. After a year as a Principal dancer in the Czech National Ballet, she moved to dance with the Cape Ballet Company in South Africa, where she witnessed the end of apartheid. In her 40s, at an age when most ballerinas have retired, Daria continues to captivate audiences with her impeccable technique and free flowing natural grandeur. ..."

--Publisher description.

From the author of *The Three-Body Problem*, *The Dark Forest*, and *Death's End* comes a story about unborn memories. With *The Three-Body Problem*, English-speaking listeners got their first chance to experience the multiple-award-winning and bestselling *Three-Body Trilogy* by China's most beloved science fiction author, Cixin Liu. *The Weight of Memories* is a Tor.com Original story. At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.

From the New York Times bestselling author of the *Three-Body Trilogy*, Cixin Liu's *Ball Lightning* is the story of what happens when the beauty of scientific inquiry runs up against the drive to harness new discoveries with no consideration of their possible consequences. When Chen's parents are incinerated before his eyes by a blast of ball lightning, he devotes his life to cracking the secret of this mysterious natural phenomenon. His search takes him to stormy mountaintops, an experimental military weapons lab, and an old Soviet science station. The more he learns, the more he comes to realize that ball lightning is just the tip of an entirely new frontier. While Chen's quest for answers gives purpose to his lonely life, it also pits him against soldiers and scientists with motives of their own: a beautiful army major with an obsession with dangerous

weaponry, and a physicist who has no place for ethical considerations in his single-minded pursuit of knowledge. "Wildly imaginative."—Barack Obama on The Three-Body Problem trilogy Tor books by Cixin Liu The Remembrance of Earth's Past #1 The Three-Body Problem #2 The Dark Forest #3 Death's End At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.

“????”????????????BEIJING BOOK CO. INC.

The LNCS volume 11818 constitutes the proceedings of the 14th Chinese Conference on Biometric Recognition, held in Zhuzhou, China, in October 2019. The 56 papers presented in this book were carefully reviewed and selected from 74 submissions. The papers cover a wide range of topics such as face recognition and analysis; hand-based biometrics; eye-based biometrics; gesture, gait, and action; emerging biometrics; feature extraction and classification theory; and behavioral biometrics.

Soon to be a Netflix Original Series! “The War of the Worlds for the 21st century... packed with a sense of wonder.” – Wall Street Journal The New York Times bestselling conclusion to a tour de force near-future adventure trilogy from China's bestselling and beloved science fiction writer. With The Three-Body Problem, English-speaking readers got their first chance to read China's most beloved science fiction author, Cixin Liu. The

Three-Body Problem was released to great acclaim including coverage in The New York Times and The Wall Street Journal and reading list picks by Barack Obama and Mark Zuckerberg. It was also won the Hugo and Nebula Awards, making it the first translated novel to win a major SF award. Now this epic trilogy concludes with Death's End. Half a century after the Doomsday Battle, the uneasy balance of Dark Forest Deterrence keeps the Trisolaran invaders at bay. Earth enjoys unprecedented prosperity due to the infusion of Trisolaran knowledge. With human science advancing daily and the Trisolarans adopting Earth culture, it seems that the two civilizations will soon be able to co-exist peacefully as equals without the terrible threat of mutually assured annihilation. But the peace has also made humanity complacent. Cheng Xin, an aerospace engineer from the early twenty-first century, awakens from hibernation in this new age. She brings with her knowledge of a long-forgotten program dating from the beginning of the Trisolar Crisis, and her very presence may upset the delicate balance between two worlds. Will humanity reach for the stars or die in its cradle? The Remembrance of Earth's Past Trilogy The Three-Body Problem The Dark Forest Death's End Other Books Ball Lightning Supernova Era To Hold Up The Sky (forthcoming)

Abiotic stress adversely affects crop production worldwide, decreasing average yields for most of the crops to 50%. Among various abiotic stresses affecting agricultural production, drought stress is considered to be the main source of yield reduction

around the globe. Due to an increasing world population, drought stress will lead to a serious food shortage by 2050. The situation may become worse due to predicated global climate change that may multiply the frequency and duration and severity of such abiotic stresses. Hence, there is an urgent need to improve our understanding on complex mechanisms of drought stress tolerance and to develop modern varieties that are more resilient to drought stress. Identification of the potential novel genes responsible for drought tolerance in crop plants will contribute to understanding the molecular mechanism of crop responses to drought stress. The discovery of novel genes, the analysis of their expression patterns in response to drought stress, and the determination of their potential functions in drought stress adaptation will provide the basis of effective engineering strategies to enhance crop drought stress tolerance. Although the in-depth water stress tolerance mechanisms is still unclear, it can be to some extent explained on the basis of ion homeostasis mediated by stress adaptation effectors, toxic radical scavenging, osmolyte biosynthesis, water transport, and long distance signaling response coordination. Importantly, complete elucidation of the physiological, biochemical, and molecular mechanisms for drought stress, perception, transduction, and tolerance is still a challenge to the plant biologists. The findings presented in volume 1 call attention to the physiological and biochemical modalities of drought stress that influence crop productivity, whereas volume 2 summarizes our current understanding on the molecular and genetic mechanisms of drought stress

resistance in plants.

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Soil science has undergone a renaissance with increasing awareness of the importance of soil organisms and below-ground biotic interactions as drivers of community and ecosystem properties.

With over forty original essays, The Oxford Handbook of Modern Chinese Literatures offers an in-depth engagement with the current analytical methodologies and critical practices that are shaping the field in the twenty-first century. Divided into three sections--Structure, Taxonomy, and Methodology--the volume carefully moves across approaches, genres, and forms to address a rich range topics that include popular culture in Late Qing China, Zhang Guangyu's Journey to the West in Cartoons, writings of Southeast Asian migrants in Taiwan, the Chinese Anglophone Novel, and depictions of HIV/AIDS in Chu T'ien-wen's Notes of a Desolate Man.

The three volume set LNCS 3610, LNCS 3611, and LNCS 3612 constitutes the refereed proceedings of the First International Conference on Natural Computation, ICNC 2005, held in Changsha, China, in August 2005 jointly with the Second International Conference on Fuzzy Systems and Knowledge Discovery FSKD 2005 (LNAI volumes 3613 and 3614).The program committee selected 313 carefully revised full papers and 189 short papers for presentation in three volumes from 1887 submissions. The first volume includes all the contributions related to learning

algorithms and architectures in neural networks, neurodynamics, statistical neural network models and support vector machines, and other topics in neural network models; cognitive science, neuroscience informatics, bioinformatics, and bio-medical engineering, and neural network applications as communications and computer networks, expert system and informatics, and financial engineering. The second volume concentrates on neural network applications such as pattern recognition and diagnostics, robotics and intelligent control, signal processing and multi-media, and other neural network applications; evolutionary learning, artificial immune systems, evolutionary theory, membrane, molecular, DNA computing, and ant colony systems. The third volume deals with evolutionary methodology, quantum computing, swarm intelligence and intelligent agents; natural computation applications as bioinformatics and bio-medical engineering, robotics and intelligent control, and other applications of natural computation; hardware implementations of natural computation, and fuzzy neural systems as well as soft computing.

What if taxes were paid through blood withdrawals? What if tax evasion was a crime punishable with imprisonment and enforced by the Bloodbusters? What if donating blood was illegal? In a grotesque Rome, BloodBuster Alan Costa falls in love with Anissa Malesano, a compulsive donor for AN underworld organisation who gives her blood to anyone in need. As a web of deceit and treachery spreads wide around Alan, he begins to wonder if he can trust his colleagues or even his own boss. When Anissa

is jailed for tax evasion, Alan is faced with a choice that could cost him everything. Winner of the Urania Award "Full of savage humour, Francesco Verso imagines a tax system in Italy based upon blood. Amazingly this has nothing to do with actual zombies (to bend a bit the word 'actual'). Weirdly, BloodBusters is plausible and powerfully written, a high- spirited page-turner thanks to a great translation by Sally McCorry. Definitely this is the book to read after a holiday in Rome (though maybe not before). I shan't forget in a hurry Verso's Intravenous Revenue or the haemergency sirens and flashers of the taxbalance." Ian Watson, author of the screen story for Steven Spielberg's A.I. Artificial Intelligence

In its brief existence, Rosarium Publishing has worked hard in “introducing the world to itself” through groundbreaking, award-winning science fiction and comics. In combing the planet to find the best in each field, Rosarium's own Bill Campbell has found a fellow spirit in Italian publisher, Francesco Verso. Borrowing from the fine tradition of American underground dance labels introducing international labels' music to the people back home, Rosarium brings to you Future Fiction: New Dimensions in International Science Fiction, a thrilling collection of innovative science fiction originally published by Francesco Verso's Italian company, Future Fiction. Here you will find thirteen incredible tales from all around the globe that will not only introduce you to worlds you may not be familiar with but also expand your horizons and the horizons of the science fiction field itself.

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This book describes how man-made litter, primarily plastic, has spread into the remotest parts of the oceans and covers all aspects of this pollution problem from the impacts on wildlife and human health to socio-economic and political issues. Marine litter is a prime threat to marine wildlife, habitats and food webs worldwide. The book illustrates how advanced technologies from deep-sea research, microbiology and mathematic modelling as well as classic beach litter counts by volunteers contributed to the broad awareness of marine litter as a problem of global significance. The authors summarise more than five decades of marine litter research, which receives growing attention after the recent discovery of great oceanic garbage patches and the ubiquity of microscopic plastic particles in marine organisms and habitats. In 16 chapters, authors from all over the world have created a universal view on the diverse field of marine litter pollution, the biological impacts, dedicated research activities, and the various national and international legislative efforts to combat this environmental problem. They recommend future research directions necessary for a comprehensive understanding of this environmental issue and the development of efficient management strategies. This book addresses scientists, and it provides a solid knowledge base for policy makers, NGOs, and the broader public.

"This is an original collection of stories with no Russian equivalent. They span the whole of Krzhizhanovsky's writing career (1920-1940). The title story was unearthed only in 2012. It is named for an actual street in Moscow (Unwitting Street) and serves as a metaphor for Russian history"--

This volume gives an account of the morphology and taxonomy of "Trichoderma" and "Gliocladium", before discussing their ecology and basic biology.

This textbook provides a structured, easy to understand and thorough insight into the mode of

function of plant secondary metabolites in plants and humans. It explains the biosynthesis and molecular action of nicotine, cannabis, caffeine and Co, describes the effects of these drugs on signal transduction at receptors and ion channels in animals, their relevance for human health and their potential for recreational use and abuse. It also offers a broad and comprehensive understanding on the role and function of these diverse molecules for the plants that make them. This textbook is written for master students and scientist in biochemistry and biology as well as for pharmaceutical and medical students. It will be a valuable study tool for teachers and students alike.

The day when fiber will deliver new, yet now only foreseeable, broadband services to the end user is getting nearer and nearer as we make our way towards the prophetic year 2000. Step by step, as we move from first generation lasers and fibers to the by now common erbium-doped fiber amplifiers, looking forward to such things as wavelength multiplexing and solitons, photonic switching and optical storage, the community of researchers in optical communications has stepped into the era of photonic networks. It is not just a question of terminology. Optical communication means technology to the same extent that photonic network means services. If it is true that information is just as marketable a product as oil or coke, the providing of an extensive global information infrastructure may end up having an even greater impact than the setting up of a world-wide railroad network did at the beginning of the industrial era. Just like wagons, bandwidth will be responsible for carrying and delivering goods to customers. The challenge for all of us in this field is for it to function in every section of the overall network, transport, access and customer area, in the best possible way: the fastest, most economical and most flexible. New services provided by a new network that

exploits the potential and peculiarities of photonics surely requires a rethinking of solutions, new ideas, new architectures, new design, especially where electronics is still dominant, as in transport and access networks.

The third in a new series of graphic novels from Hugo Award-winning author Liu Cixin and Talos Press In the depths of mountains shrouded with ignorance and superstition, a man dedicates his life to igniting a passion for science and culture in children's hearts. As his life draws to an end, he uses his dying breaths to impart knowledge on others. Fifty thousand lightyears away, in the depths of outer space, an interstellar war that has lasted for twenty thousand years draws to an end. In order to preserve the Milky Way's many civilizations, the victor begins to exterminate lower-level life forms. When they reach Earth, they pose a test. The eighteen children deep in the mountains use the last lesson their teacher taught them to shine bright the hope of civilization... The third of sixteen new graphic novels from Liu Cixin and Talos Press, *The Village Teacher* is an epic tale that all science fiction fans will enjoy.

Written by over 200 leading experts from over seventy countries, this handbook provides a comprehensive, state-of-the-art overview of the latest theory and research on volunteering, civic participation and nonprofit membership associations. The first handbook on the subject to be truly multinational and interdisciplinary in its authorship, it represents a major milestone for the discipline. Each chapter follows a rigorous theoretical structure examining definitions, historical background, key analytical issues, usable knowledge, and future trends and required research. The nine parts of the handbook cover the historical and conceptual background of the discipline; special types of volunteering; the major activity areas of volunteering and associations; influences on volunteering and association participation; the internal structures of

associations; the internal processes of associations; the external environments of associations; the scope and impacts of volunteering and associations; and conclusions and future prospects. This handbook provides an essential reference work for third-sector research and practice, including a valuable glossary of terms defining over eighty key concepts. Sponsored by the International Council of Voluntarism, Civil Society, and Social Economy Researcher Associations (ICSERA; [www.icsera.org](http://www.icsera.org)), it will appeal to scholars, policymakers and practitioners, and helps to define the emergent academic discipline of voluntaristics.

This book presents the latest findings on how plants respond physiologically to sulfur in their environment. It combines an ecosystems approach with new insights at the molecular and biochemical level. Key areas are explored to assess the functions and implications of this essential plant nutrient in a range of natural, semi-natural and anthropogenic environments. The result is an important new reference on the relationships between plants and sulfur.

Bridging the gap between the multitude of advanced research articles and the knowledge newcomers to the field are looking for, this is a timely and comprehensive monograph covering the interdisciplinary topic of intramolecular charge transfer (ICT). The book not only covers the fundamentals and physico-chemical background of the ICT process, but also places a special emphasis on the latest experimental and theoretical studies that have been undertaken to understand this process and discusses key technological applications. After outlining the discovery of ICT molecules, the authors go on to discuss several

important substance classes. They present the latest techniques for studying the underlying processes and show the interplay between charge transfer and the surrounding medium. Examples taken from nonlinear optics, viscosity and polarity sensors, and organic electronics testify to the vast range of applications. The result is a unique information source for experimentalists as well as theoreticians, from postgraduate students to researchers.

Polyoxometalate Chemistry continues a long-running series that describes recent advances in scientific research, in particular, in the field of inorganic chemistry. Several highly regarded experts, mostly from academia, contribute on specific topics. The current issue focuses on recent advances in the development and application of polyoxometalate complexes in areas such as solution chemistry, self-organization, solar fuels, non-aqueous chemistry, spintronics, nanoscience and catalysis. Presents a single monograph on recent developments in polyoxometalate chemistry as written by scientific leaders in this field Concise and informative presentations cover a wide range of topics in this field of chemistry Contains detailed literature references, enabling the reader to move on to the source of the reported work where more details can be found Provides a solid presentation of a hard-cover book of excellent technical quality The fundamental photophysical properties of iridium(III) materials make this class

of materials the pre-eminent transition metal complex for use in optoelectronic applications. Iridium(III) in Optoelectronic and Photonics Applications represents the definitive account of photoactive iridium complexes and their use across a wide variety of applications. This two-volume set begins with an overview of the synthesis of these complexes and discusses their photophysical properties. The text highlights not only mononuclear complexes but also the properties of multinuclear and polymeric iridium-based materials and the assembly of iridium complexes into larger supramolecular architectures such as MOFs and soft materials. Chapters devoted to the use of these iridium-based materials in diverse optoelectronic applications follow, including: electroluminescent devices such as organic light emitting diodes (OLEDs) and light-emitting electrochemical cells (LEECs); electrochemiluminescence (ECL); bioimaging; sensing; light harvesting in the context of solar cell applications; in photoredox catalysis and as components for solar fuels. Although primarily targeting a chemistry audience, the wide applicability of these compounds transcends traditional disciplines, making this text also of use to physicists, materials scientists or biologists who have interests in these areas.

Composites based on Metal-organic frameworks (MOFs) have exceptional physical and chemical properties and offer a great number of advanced

applications in such fields as energy storage, energy conversion by catalysis, sensors for environmental applications, environment safety and industrial wastewater treatments. They also have interesting medical applications, such as encapsulation of enzymes. The present book covers design, synthesis and preparation of various MOFs, as well as the resulting product characteristics: homogenous morphology, small size dispersion, high thermal stability and desired surface area.

From New York Times bestselling author Cixin Liu, *The Wandering Earth* is a science fiction short story collection featuring the title tale--the basis for the blockbuster international film, now streaming on Netflix. These ten stories, including five Chinese Galaxy Award-winners, are a blazingly original ode to planet Earth, its pasts, and its futures. Liu's fiction takes the reader to the edge of the universe and the end of time, to meet stranger fates than we could have ever imagined. With a melancholic and keen understanding of human nature, Liu's stories show humanity's attempts to reason, navigate, and above all, survive in a desolate cosmos. At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.

This book constitutes the thoroughly refereed post-conference proceedings of the First International Conference on Software Language Engineering, SLE 2008,

held in Toulouse, France, in September 2008. The 16 revised full papers and 1 revised short paper presented together with 1 tool demonstration paper and 2 keynote lectures were carefully reviewed and selected from 106 initial submissions. The papers are organized in topical sections on language and tool analysis and evaluation, concrete and abstract syntax, language engineering techniques, language integration and transformation, language implementation and analysis, as well as language engineering pearls.

Most studies of Chinese literature conflate the category of the future with notions of progress and nation building, and with the utopian visions broadcast by the Maoist and post-Mao developmental state. The future is thus understood as a preconceived endpoint that is propagated, at times even imposed, by a center of power. By contrast, *Tales of Futures Past* introduces "anticipation"—the expectations that permeate life as it unfolds—as a lens through which to reexamine the textual, institutional, and experiential aspects of Chinese literary culture from the 1950s to 2011. In doing so, Paola Iovene connects the emergence of new literary genres with changing visions of the future in contemporary China. This book provides a nuanced and dynamic account of the relationship between state discourses, market pressures, and individual writers and texts. It stresses authors' and editors' efforts to redefine what constitutes

literature under changing political and economic circumstances. Engaging with questions of translation, temporality, formation of genres, and stylistic change, Lovene mines Chinese science fiction and popular science, puts forward a new interpretation of familiar Chinese avant-garde fiction, and offers close readings of texts that have not yet received any attention in English-language scholarship. Far-ranging in its chronological scope and impressive in its interdisciplinary approach, this book rethinks the legacies of socialism in postsocialist Chinese literary modernity.

From New York Times bestselling author Cixin Liu comes a short story collection of captivating visions of the future and incredible re-imaginings of the past. In *To Hold Up the Sky*, Cixin Liu takes us across time and space, from a rural mountain community where elementary students must use physics to prevent an alien invasion; to coal mines in northern China where new technology will either save lives or unleash a fire that will burn for centuries; to a time very much like our own, when superstring computers predict our every move; to 10,000 years in the future, when humanity is finally able to begin anew; to the very collapse of the universe itself. Written between 1999 and 2017 and never before published in English, these stories came into being during decades of major change in China and will take you across time and space through the eyes of one of science

fiction's most visionary writers. Experience the limitless and pure joy of Cixin Liu's writing and imagination in this stunning collection. Stories included are: Contraction Full Spectrum Barrage Jamming The Village Teacher Fire in the Earth Time Migration Ode to joy Cloud of Poems Mirror Sea of Dreams Cloud of Poems The Thinker At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.

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