

General Paper 8009 November 2012

The ability to predict and control viscous flow phenomena is becoming increasingly important in modern industrial application. The Instability and Transition Workshop at Langley was extremely important in helping the scientists community to access the state of knowledge in the area of transition from laminar to turbulent flow, to identify promising future areas of research and to build future interactions between researchers worldwide working in the areas of theoretical, experimental and computational fluid and aero dynamics. The set of two volume contains panel discussions and research contribution with the following objectives: (1) expose the academic community to current technologically important issues of instability and transitions in shear flows over the entire speed range, (2) acquaint the academic community with the unique combination of theoretical, computational and experimental capabilities at LaRC and foster interaction with these facilities. (3) review current state-of-the-art and propose future directions for instability and transition research, (4) accelerate progress in elucidating basic understanding of transition phenomena and in transferring this knowledge into improved design methodologies through improved transition modeling, and (5) establish mechanism for continued interaction.

When communities face complex public health emergencies, state local, tribal, and territorial public health agencies must make difficult decisions regarding how to

effectively respond. The public health emergency preparedness and response (PHEPR) system, with its multifaceted mission to prevent, protect against, quickly respond to, and recover from public health emergencies, is inherently complex and encompasses policies, organizations, and programs. Since the events of September 11, 2001, the United States has invested billions of dollars and immeasurable amounts of human capital to develop and enhance public health emergency preparedness and infrastructure to respond to a wide range of public health threats, including infectious diseases, natural disasters, and chemical, biological, radiological, and nuclear events. Despite the investments in research and the growing body of empirical literature on a range of preparedness and response capabilities and functions, there has been no national-level, comprehensive review and grading of evidence for public health emergency preparedness and response practices comparable to those utilized in medicine and other public health fields. Evidence-Based Practice for Public Health Emergency Preparedness and Response reviews the state of the evidence on PHEPR practices and the improvements necessary to move the field forward and to strengthen the PHEPR system. This publication evaluates PHEPR evidence to understand the balance of benefits and harms of PHEPR practices, with a focus on four main areas of PHEPR: engagement with and training of community-based partners to improve the outcomes of at-risk populations after public health emergencies; activation of a public health emergency operations center; communication of public health alerts and

guidance to technical audiences during a public health emergency; and implementation of quarantine to reduce the spread of contagious illness.

In far too many places, the worldwide trade in English-language teaching, testing and publishing has become a self-perpetuating, self-congratulating, neocolonial monster ... a veritable multi-headed Hydra. Too often the English language industry aggressively promotes itself as some sort of “uplifting”, “essential”, “proper” or even “better” means of communication than any other language. Unfortunately, its relentless global outreach is taking place at the direct expense, and the active denigration, of local and regional languages – not to mention individual identities. English Language as Hydra brings together the voices of linguists, literary figures and teaching professionals in a wide-ranging exposé of this monstrous Hydra in action on four continents. It provides a showcase of the diverse and powerful impacts that this ever-evolving, gluttonous beast has had on so many non-English language cultures - as well as the surreptitious, drug-like ways in which it can infiltrate individual psyches.

Collection of the monthly climatological reports of the United States by state or region, with monthly and annual national summaries.

This report explores the growth prospects for the ocean economy, its capacity for future employment creation and innovation, and its role in addressing global challenges.

Special attention is devoted to the emerging ocean-based industries.

Master the Police Officer Exam offers thorough preparation for anyone looking for a

career in law enforcement. This comprehensive guide provides 5 full-length practice tests, thorough review of question types on the written test, along with tips for the oral board interview, video-based exam, and psychological evaluation. Also includes up-to-date information on eligibility requirements, the screening process, and job applications along with a sample physical fitness course including basic principles, detailed exercises, workout schedules, and ways to measure your progress. This is the complete guide to starting your career in law enforcement.

Atlanta magazine's editorial mission is to engage our community through provocative writing, authoritative reporting, and superlative design that illuminate the people, the issues, the trends, and the events that define our city. The magazine informs, challenges, and entertains our readers each month while helping them make intelligent choices, not only about what they do and where they go, but what they think about matters of importance to the community and the region. Atlanta magazine's editorial mission is to engage our community through provocative writing, authoritative reporting, and superlative design that illuminate the people, the issues, the trends, and the events that define our city. The magazine informs, challenges, and entertains our readers each month while helping them make intelligent choices, not only about what they do and where they go, but what they think about matters of importance to the community and the region.

The governments of China and the United States - despite profound differences in

history, culture, economic structure, and political ideology - both engage the private sector in the pursuit of public value. This book employs the term collaborative governance to describe relationships where neither the public nor private party is fully in control, arguing that such shared discretion is needed to deliver value to citizens. This concept is exemplified across a wide range of policy arenas, such as constructing high speed rail, hosting the Olympics, building human capital, and managing the healthcare system. This book will help decision-makers apply the principles of collaborative governance to effectively serve the public, and will enable China and the United States to learn from each other's experiences. It will empower public decision-makers to more wisely engage the private sector. The book's overarching conclusion is that transparency is the key to the legitimate growth of collaborative governance.

Climate change is not only one of the greatest threats to modern civilization; it is also a great challenge to economic development in the 21st century. Global warming can lead to periods of both drought and intense rain, causing crops to fail and ruining the livelihoods of many in underdeveloped countries. The Handbook of Research on Climate Change Impact on Health and Environmental Sustainability is an authoritative reference source that offers a comprehensive and timely analysis of various aspects of global warming and its consequences. Featuring such topics as assessment of and adaption to climate change, water and its socio-economic impact, the environmental effects of climate change on human health, and the mitigation of climate change on both a local and global level, this expansive handbook is an essential reference source for students, researchers, academicians, engineers,

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government executives, and other practitioners looking to make a difference in the treatment of our environment. This publication features timely research on subjects including, but not limited to, climate change and its effect on both urbanization and the trade competitiveness of different regions, water-related diseases flourishing due to climate change, health risks and rethinking health service provision, losses from natural disasters, farmers' views on the environment, drought management policies, groundwater resource management, trends in long-term rainfall, fishery management and productivity, preserving biodiversity, and sustainable forest use.

Identifies a dozen features of the American political economy where transformative change is essential, spelling out the specific changes that are needed to move toward a new political economy--one in which the priority is to sustain people and planet. 20,000 first printing.

The growth and health of our digital economies and societies depend on the core protocols and infrastructure of the Internet. This technical and logical substructure of our digital existence is now in need of protection against unwarranted interference in order to sustain the growth and the integrity of the global Internet. The Internet's key protocols and infrastructure can be considered a global public good that provides benefits to everyone in the world. Countering the growing state interference with this 'public core of the Internet' requires a new international agenda for Internet governance that departs from the notion of a global public good. Core ingredients of this strategy are: - To establish and disseminate an international norm stipulating that the Internet's public core - its main protocols and infrastructure- should be considered a neutral zone, safeguarded against unwarranted intervention by governments. - To advocate efforts to clearly differentiate at the national and international level between Internet security (security of the Internet infrastructure) and national security (security through the Internet). - To

broaden the arena for cyber diplomacy to include new coalitions of states (including the so called 'swing states') and private companies, including the large Internet companies as well as Internet intermediaries such as Internet Service Providers.

The Stationery Office annual catalogue 2011 provides a comprehensive source of bibliographic information on over 4900 Parliamentary, statutory and official publications - from the UK Parliament, the Northern Ireland Assembly, and many government departments and agencies - which were issued in 2011.

Offers an updated definition of feminism for the twenty-first century, one rooted in inclusion and awareness.

Valuing Intellectual Capital provides readers with prescriptive strategies and practical insights for estimating the value of intellectual property (IP) and the people who create that IP within multinational companies. This book addresses the crucial topic of taxation from a rigorous and quantitative perspective, backed by experience and original research that illustrates how large corporations need to measure the worth of their intangible assets. Each method in the text is applied through the lens of a model corporation, in order for readers to understand and quantify the operation of a real-world multinational enterprise and pinpoint how companies easily misvalue their intellectual capital when transferring IP rights to offshore tax havens. The effect contributes to the issues that can lead to budgetary crises, such as the so-called “fiscal cliff” that was partially averted by

passage of the American Taxpayer Relief Act on New Year's day 2013. This book also features a chapter containing recommendations for a fair and balanced corporate tax structure free of misvaluation and questionable mechanisms. CFOs, corporate auditors, corporate financial analysts, corporate financial planners, economists, and journalists working with issues of taxation will benefit from the concepts and background presented in the book. The material clearly indicates how a trustworthy valuation of intellectual capital allows a realistic assessment of a company's income, earnings, and obligations. Because of the intense interest in the topic of corporate tax avoidance the material is organized to be accessible to a broad audience.

Nature is out of balance in the human kingdom. The sun hasn't shone in years, and crops are failing. Worse yet, strange and hostile creatures have begun to appear. And the people's survival hangs in the balance. To solve the crisis, the oracle stones are cast, and Kaede and Taisin, two seventeen-year-old girls, are picked to go on a dangerous and unheard-of journey to Tanlili, the city of the Fairy Queen. Taisin is a sage, thrumming with magic, and Kaede is of the earth, without a speck of the otherworldly. And yet the two girls' destinies are drawn together during the mission. As members of their party succumb to unearthly attacks and fairy tricks, the two come to rely on each other and even begin to fall

in love. But the Kingdom needs only one huntress to save it, and what it takes could tear Kaede and Taisin apart forever. The exciting adventure prequel to Malinda Lo's highly acclaimed novel *Ash* is overflowing with lush Chinese influences and details inspired by the I Ching, and is filled with action and romance.

Discusses Uses for the Microcomputer, Including Projects & Methods for Interfacing the Personal Computer with Its Environment

Ten years ago, the United States stood at the forefront of the Internet revolution. With some of the fastest speeds and lowest prices in the world for high-speed Internet access, the nation was poised to be the global leader in the new knowledge-based economy. Today that global competitive advantage has all but vanished because of a series of government decisions and resulting monopolies that have allowed dozens of countries, including Japan and South Korea, to pass us in both speed and price of broadband. This steady slide backward not only deprives consumers of vital services needed in a competitive employment and business market—it also threatens the economic future of the nation. This important book by leading telecommunications policy expert Susan Crawford explores why Americans are now paying much more but getting much less when it comes to high-speed Internet access. Using the 2011 merger between

Comcast and NBC Universal as a lens, Crawford examines how we have created the biggest monopoly since the breakup of Standard Oil a century ago. In the clearest terms, this book explores how telecommunications monopolies have affected the daily lives of consumers and America's global economic standing. Renowned city planner and housing advocate Alan Mallach assesses the problem of vacant properties in the United States and recommends mitigation strategies for local officials, nonprofits, and community leaders. Vacancies in the United States skyrocketed during the Great Recession. While many cities with robust demand for housing have recovered, the picture is very different in the nation's legacy cities--the former industrial centers of the American heartland. The examples in this report illustrate creative strategies to reduce the harm caused by vacant properties, jump-start housing markets in struggling neighborhoods, create the potential for future revival, and transform vacant properties into community assets.

Minnesota Rules of Court
The Commercial and Financial Chronicle
Code of Federal Regulations
Containing a Codification of Documents of General Applicability and Future Effect as of December 31, 1948, with Ancillaries and Index
Bank and Quotation Record
Federal Register
English Language as Hydralts
Impacts on Non-English Language Cultures
Multilingual Matters

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