



**Securing the Cyber Commons: A Global Dialogue
Panellist and Participant Biographies**

PANELISTS AND SPEAKERS

Shahzad Ahmad is the lead on Bytes for All, Pakistan. He is at the forefront of the Internet Rights movement focusing on the innovative use of ICTs for civil liberties in Pakistan. His current focus is on ICT policy advocacy, communication rights, Internet freedom, online privacy and freedom of expression. He is a council representative to the Association for Progressive Communications, an advisory board member of the International Advisory Board of Privacy International UK, and a member of .PK ccTLD. He regularly contributes to publications and research studies around ICTs for Development, Freedom of Expression, and gender related issues.

Ken Berman is Director of Information Security for the International Broadcasting Bureau, a key operational component of the Broadcasting Board of Governors. He oversees programs that ensure the IBB network is protected from malware while allowing Voice of America (VOA) journalists to access a range of information resources. He is the Agency's Disaster Recovery and Business Continuity leader, establishing systems that permit Agency mission requirements to be met under a range of threat scenarios. He is manager of the IBB's Internet Anti-Censorship Program—a critical component in getting US government program materials, such as the Voice of America and Radio Free Asia, into countries such as China and Iran.

Chantal Bernier was appointed Assistant Privacy Commissioner of Canada effective December 8, 2008. Prior to this, she was Assistant Deputy Minister, Community Safety and Partnerships Branch at Public Safety Canada. Previously, she served as Assistant Deputy Minister, Socio-Economic Policy and Programs at Indian and Northern Affairs Canada from 1999 to 2002 and Director of Operations, Machinery of Government Secretariat at the Privy Council Office from 1998 to 1999.

Tony Burman was Managing Director of Al Jazeera English based in Doha from 2008-2010, and is now Al Jazeera's head of strategy for the Americas in Washington. He has overseen its growth in North America, including in Washington DC and on all major cable and satellite platforms in Canada. During his period as Managing Director, Al Jazeera's worldwide audience more than doubled to 220 million households. Under his leadership, AJE has been recognized for its groundbreaking reporting from the Middle East, Africa, Asia, Europe and the Americas. Prior to Al Jazeera, he spent more than 30 years as an award-winning news and documentary producer at CBC News in Canada, including nearly eight years as its Editor-in-Chief.

John Dalglish is the GCHQ Liaison Officer in Ottawa. His chief responsibility is the management of GCHQ's relationship with relevant Canadian agencies, including collaboration on network defence. He joined GCHQ in 1978 after graduating from St. Andrews University in Scotland with an Honours degree in French and German. He has been in Ottawa since July 2008 and will return to his HQ in the summer of 2011, on completion of his tour.

Chris Davis is likely best known for his discovery of the Mariposa Botnet and the creation and leadership of the Mariposa Working Group. Comprised of key industry players as well as global law enforcement, this group took down the world's largest known botnet and was directly responsible for 7 arrests, from Spain to Slovenia. Prior to founding Defence Intelligence, he was the Director of Threat Analysis for Damballa, a Georgia Tech incubated start-up. Prior to Damballa, he was the lead technical resource for Dell's Global Information Security Unit, and has consulted and advised dozens of government agencies and Fortune 100 organizations. Having worked with international law enforcement and the FBI for over a decade, Mr. Davis has been behind the arrest of multiple high profile computer criminals. He has been a featured expert on CNN, BBC, NBC, ABC, CBS, and appeared in most major news publications. He is also a recent recipient of Microsoft's Global Hero Award.

Eric Davis began his career at Google 7 years ago and quickly became Google's lead on search and advertising syndication policy, including worldwide user trust and security policy. He then developed and led Google's company-wide efforts to prevent malware in ads ("anti-malvertising") resulting in the launch of a new detection system for Google's ad properties and increased industry awareness. Now, Eric is responsible for setting and driving implementation of Google's global public policy and industry relations strategy for security, safety, and related subject matter. Eric has been called a thought leader on online security and policy issues, and plays leadership roles in the National Cyber Security Alliance, StopBadware.org, and other industry organizations. Prior to Google, Eric was an international trust and safety product manager at eBay, and managed international product expansion at Netscape. Eric is the co-author of 2 security-related patents.

Ron Deibert (PhD, University of British Columbia) is Associate Professor of Political Science, and Director of the Canada Centre for Global Security Studies and the Citizen Lab at the Munk School of Global Affairs, University of Toronto. The Citizen Lab is an interdisciplinary research and development hothouse working at the intersection of the Internet, global security, and human rights. He is a co-founder and a principal investigator of the OpenNet Initiative and Information Warfare Monitor projects. Deibert was one of the founders and (former) VP of global policy and outreach for Psiphon Inc. and a founder of SecDev.cyber.

James P. Farwell has served as a consultant to the U.S. Department of Defense, including Office of the Under Secretary of Defense (Policy), Office of the Under Secretary of Defense (Intelligence), Special Operations - Low Intensity Conflict, US Special Operations Command, and US Strategic Command, and has worked with them in strategic communications and cyber war. He is an attorney and a political consultant, with broad national and international experience.

Carl Gershman is President of the National Endowment for Democracy, a private, congressionally supported grant-making institution which works to strengthen democratic institutions around the world through nongovernmental efforts. In addition to presiding over NED's grants program in Africa, Asia, the Middle East, Eastern Europe, the former Soviet Union and Latin America, he has overseen the creation of the Journal of Democracy, International Forum for Democratic Studies, and the Reagan-Fascell Democracy Fellows Program. In 1999, he led the launch of the World Movement for Democracy, a global network of democracy practitioners. He currently oversees NED's response to revolutionary changes in the Middle East and is helping to mobilize support for activists working for greater freedom in authoritarian countries.

Sonja Gittens-Ottley is the Manager of Yahoo!'s Business & Human Rights Program, executing Yahoo!'s initiatives to promote privacy and free expression on the Internet. Prior to joining Yahoo!, Sonja worked as an attorney at the Central Bank of Trinidad and Tobago (the country's supervisory and regulatory financial authority, responsible for the implementation of the country's monetary policy), where she focused on banking, financial compliance, and corporate governance issues. She has also worked with the Ministry of Legal Affairs and Office of the Attorney-General of Trinidad and Tobago, the Department of State responsible for the provision of legal advice on all local and international matters.

Misha Glenny is an award-winning writer and broadcaster whose next book *DarkMarket* will be published in October. A former BBC Central Europe Correspondent who covered the revolutions in Eastern Europe and the wars in the former Yugoslavia, Misha has written for most major publications in Europe, the United States and Japan. His last book, *McMafia: Journey through the Global Criminal Underworld* was translated into over 30 languages and was short-listed for the FT Business Book of the Year, the Lionel Gelber Prize for International Affairs, and the Bristol Book of Ideas.

Barbara Haig is Deputy to the President for Policy and Strategy at the National Endowment for Democracy. As Vice President for Program Planning and Evaluation, she led the dramatic growth of NED's Grants Program, including programmatic development, monitoring and evaluation of worldwide grant making efforts. In the last decade, she oversaw a vast expansion of NED's program in the Middle East, especially Iraq and Afghanistan. During the late 1980s and early 1990s, she oversaw the development of complex democracy programs in South Africa, Nicaragua and Central and Eastern Europe. She is a widely recognized expert in the field of democracy promotion and has a deep understanding of the historical aspects and strengths of the Endowment. From 1981 to 1985, she was Special Assistant to the Associate Director of Programs, and then to the Director of the United States Information Agency. She is a graduate of Georgetown University and has studied and worked in Latin America, Europe, Asia and Africa.

Joel Harding is the Director of Information Operations (IO) at the IO Institute at the Association of Old Crows. Mr. Harding established the IO Institute shortly after joining the AOC; he then procured the rights to InfowarCon and stood it up in 2009 and 2010. He is an editor of *The IO Journal*, the premier publication in the field of IO. He formed an IO advisory committee, consisting of leaders from corporate, government, military and academic IO. Mr. Harding wrote a white paper which was used as a background paper for OSD's QDR IO subcommittee. He has been a keynote speaker in Moscow on cyberwar; in China on cyberwar and information warfare; and at numerous US functions about cyberwar and IO.

Gus Hosein (PhD, University of London) is Privacy International's Deputy Director. He is also a Visiting Senior Fellow at the London School of Economics and Political Science. He advises a number of international organizations, companies, and civil society organizations. Most recently he was an external evaluator for UNHCR, and advised the UN Special Rapporteur on Terrorism and Human Rights. He is currently coordinating research projects on privacy and human rights in Asia, and on the challenges of securing medical information in developing countries and emergency situations.

Rex Hughes is a Visiting Fellow at the Munk School of Global Affairs, University of Toronto and Wolfson College, Cambridge University. A cyber defence advisor to NATO since 2008, he authored the German Marshall Fund study 'NATO and Global Cyber Defense' and the Chatham House report 'Cyberspace and the National Security of the UK.' He was lead contributor to the NATO 'Final Advisory Report on Cyber Defence and the 2010 Strategic Concept.' As a member of the Cambridge-MIT Institute from 2005-2008, he advised industry affiliates on disruptive technology roadmaps while completing his doctorate on 'The British Response to Global Telecommunications Convergence.' He was founder-director of the Center for Internet Studies at the University of Washington where he led the development of iEnvoyT, the first secure Internet platform for Track I diplomacy, underwritten by the US Department of State, IBM, and Lotus, for use by 21 APEC nations. He established three noteworthy forerunners to the dot com boom: the International Internet Law Symposium, the Internet Way of Business Conference and the International Political Economy Forum.

Herb Lin is chief scientist for the National Research Council's Computer Science and Telecommunications Board where he directs major study projects at the intersection of public policy and information technology. He was study director of the 2009 NRC study 'Technology, Policy, Law, and Ethics Regarding US Acquisition and Use of Cyberattack Capabilities,' and the 2007 NRC study 'Towards A Safer and More Secure Cyberspace.' He previously served as staff scientist in defense policy and arms control for the House Armed Services Committee. He holds a doctorate in physics from the Massachusetts Institute of Technology.

Lieutenant-General Andrew Leslie is Chief of Transformation of the Canadian Forces. His family has a tradition of military service and he joined the 30th Field Artillery Regiment while at Ottawa University. After a succession of field tours in Germany, Cyprus and Canada and command appointments up to regimental level, in 1995 he was promoted to Colonel and sent to the Former Yugoslavia as Chief of Staff Sector South (Brigade Level). Following the UN hand-over to NATO forces, he returned to Western Canada as the Area Chief of Staff in 1996. In 1997 he became the Commander of 1 Canadian Mechanized Brigade Group. In 1998, 1CMBG was deployed to the Montreal to assist with ice-storm disaster relief operations, followed by an almost continuous cycle of Battle Group and Brigade exercises. In 1999 he was promoted Brigadier-General. In 2000 he was appointed the J6 of the Canadian Forces, responsible for commanding the communications field groups and regiments, the signals and electronic intelligence functions and supporting the force's computer networks. In 2002 he became the Commander Land Force Central Area. He was appointed Commander Task Force Kabul and Deputy Commander of the NATO-led International Security Assistance Force in Afghanistan as of June 2003, and awarded on his return the Meritorious Service Cross. He then became the Assistant Chief of the Land Staff. In 2004 to 2005 he was a PhD student at the Royal Military College. In June 2005, he was appointed Director General Strategic Planning in Ottawa. In June 2006, he was promoted to his current rank and appointed Chief of the Land Staff.

James Andrew Lewis (PhD, University of Chicago) is a senior fellow and Program Director at Centre for Strategic and International Studies where he writes on technology, national security and the international economy. Before joining CSIS, he was a Foreign Service Officer and a member of the Senior Executive Service. His assignments involved Asian regional security, conventional arms negotiations, technology transfer, commercial space programs, and Internet policy. He has authored numerous CSIS publications on how government policies adjust to technological innovation. He was the Project Director for CSIS's Commission on Cybersecurity for the 44th Presidency, whose report has been downloaded more than 40,000 times. His current research involves innovation and economic change, asymmetric warfare and intelligence reform.



Rebecca MacKinnon is a Bernard L. Schwartz Senior Fellow at the New America Foundation, focusing on the intersection of Internet, human rights, and foreign policy. She is co-founder of the citizen media network Global Voices Online and is on the Boards of the Committee to Protect Journalists and the Global Network Initiative. Her book, *Consent of the Networked*, will be published in January 2012 by Basic Books. Fluent in Mandarin Chinese, MacKinnon is an expert on Chinese Internet censorship. She has received fellowships from Harvard's Berkman Center for Internet and Society, Shoreline Center for the Press and Public Policy, the Open Society Institute and Princeton's Center for Information Technology Policy, and taught journalism at the University of Hong Kong's Journalism and Media Studies Centre. She began her career as a journalist with CNN, serving as Bureau Chief in Beijing and Tokyo.

David McMahon holds an honours degree in computer engineering from the Royal Military College of Canada and has spent the last 25 years with the military, intelligence and security community both in the public and private sectors. He has been engaged in the spectrum of operations from special-forces, drug interdiction, counter-terrorism, information warfare, counter-espionage, and foreign intelligence. He was one of the founding members of the interdepartmental committee on Information Warfare. He is a published author on the subjects of the cyberthreat, Olympic security, critical infrastructure protection and proactive cyber defence. He has written some of the largest and most sophisticated threat-risk assessments produced in Canada including the 2010 Olympics. He is also a former National Biathlon champion. He currently manages complex security programs for Bell Business Markets. He is also currently evangelizing proactive cyber defence, universal systems theory for risk management, national estimates on the cyber threat and culture jamming of traditional secure networks.

Joseph Menn's *Fatal System Error: The Hunt for the New Crime Lords Who are Bringing Down the Internet* was named one of the 10 best nonfiction books of 2010 by Hudson Booksellers. The true-life thriller and expose was placed on the official reading list of the US Strategic Command and is being translated into Chinese, Japanese and Korean. Menn has been interviewed on national television in the US, UK, Canada and Australia and spoken at major security conferences on his findings tying the governments of Russia and China to protection of cyber-criminals. He has reported on technology since 1999 at the Financial Times and previously the Los Angeles Times.

Susan Morgan joined the Global Network Initiative in June 2010. Previously, she spent six years in British Telecommunication's corporate responsibility team, most recently heading the strategy, policy and business planning team. In her most recent role, she was responsible for managing BT's CR risks; the business case for CR; the development of BT's CR story; sustainability reporting; and developing the direction for BT in relation to the low carbon economy.

Evgeny Morozov is the author of *The Net Delusion: The Dark Side of Internet Freedom*. He is a visiting scholar at Stanford University and a contributing editor to *Foreign Policy* and *Boston Review*. He is also a Schwartz fellow at the New America Foundation. He was previously a Yahoo! fellow at Georgetown University and a fellow at the Open Society Foundations, where he remains on the board of the Information Program. He has written for *The Financial Times*, *The Economist*, *The Guardian*, *The Wall Street Journal*, *Slate*, *The New Republic*, and many other publications.

Gregory Nojeim is Director of the Project on Freedom, Security and Technology at the Center for Democracy and Technology, a Washington, D.C. NGO dedicated to Internet freedom. He specializes in protecting privacy in the digital age as against intrusion by the U.S. government. He is a recognized expert on the application of the Fourth Amendment to the U.S. Constitution to electronic surveillance. He leads CDT's cybersecurity work, testifying in the U.S. Congress on the impact of cybersecurity proposals on privacy. His "Cybersecurity and Freedom on the Internet" appears in the *Journal of National Security Law and Policy*. Nojeim is also involved in a multi-year project to update the 1986 Electronic Communications Privacy Act. Prior to joining CDT, Nojeim was the Associate Director of the ACLU's Washington Legislative Office. He received his law degree from the University of Virginia in 1985.

John Palfrey is Henry N. Ess Professor of Law and Vice Dean for Library and Information Resources at Harvard Law School. He is the co-author of *Born Digital: Understanding the First Generation of Digital Natives* and *Access Denied: The Practice and Politics of Internet Filtering*. His research and teaching is focused on Internet law, intellectual property, and international law. He practiced intellectual property and corporate law at the law firm of Ropes & Gray. He is a faculty co-director of the Berkman Center for Internet & Society at Harvard University. Outside of Harvard Law School, he is a Venture Executive at Highland Capital Partners and serves on the board of several technology companies and non-profits. He served as a special assistant at the US EPA during the Clinton Administration. He is a graduate of Harvard College, the University of Cambridge, and Harvard Law School.

Rafal Rohozinski is one of Canada's thought leaders in the field of cybersecurity. He is the founder and CEO of The SecDev Group and Psiphon Inc., and his work in information security spans two decades and 37 countries, including conflict zones in the CIS, the Middle East and Africa. In 2005-2006, Rafal served as an embedded Chief Technical Advisor to the Palestinian Authority. He is a senior scholar at the Canada Centre for Global Security Studies, Munk School of Global Affairs, University of Toronto and previously served as director of the Advanced Network Research Group, Cambridge Security Program, University of Cambridge. He is a senior research advisor to the Citizen Lab, and together with Ronald Deibert, a founder and principal investigator of the Information Warfare Monitor and the OpenNet Initiative.

Lewis Segall is Senior Ethics and Compliance Counsel at Google Inc, where he works on a broad range of compliance and regulatory matters, including privacy, information security, freedom of expression, and payments. Prior to joining Google, he was with Visa International, and the US Treasury Department. Lewis has degrees from the University of Chicago, Yale University, and Stanford Law School. He is on the Board of the Global Network Initiative.

John B. Sheldon (PhD, University of Reading) is Professor of Space and Cyberspace Strategic Studies at the US Air Force's School of Advanced Air & Space Studies (SAASS), and Deputy Director of the Air Force Space and Cyberspace Strategy Center, Maxwell AFB, Alabama. At SAASS, he created and runs the only mandatory policy-strategy level cyber course in professional military education. Dr. Sheldon has published on space and cyber issues for a variety of journals and trade publications. Prior to his academic career, he served in Her Britannic Majesty's Diplomatic Service.

Brett Solomon is the cofounder and Executive Director of Access—a non-profit human rights organization focused on digital freedom. Access' mission is to ensure open global internet access and an uncensored and secure digital sphere by working to create a world where citizens can be active participants in their future by freely seeking, receiving and imparting information digitally. Prior to Access, he was the Campaign Director at Avaaz.org, and before that, the first Executive Director of GetUp!. He holds a Bachelors of Law at the University of Sydney and a Masters in International Law at the University of NSW. He founded the International Youth Parliament and has worked for both Oxfam Australia and Amnesty International Australia.

Janice Gross Stein is the Beizberg Professor of Conflict Management in the Department of Political Science and the Director of the Munk School of Global Affairs at the University of Toronto. She is a Fellow of the Royal Society of Canada and an Honorary Foreign Member of the American Academy of Arts and Sciences. Her most recent publications include *Networks of Knowledge: Innovation in International Learning* (2000); *The Cult of Efficiency* (2001); *Street Protests and Fantasy Parks* (2001), and *Canada by Mondrian* (2006). She is the co-author, with Eugene Lang, of the prize-winning *The Unexpected War: Canada in Kandahar*. She was the Massey Lecturer in 2001 and a Trudeau Fellow. She was awarded the Molson Prize by the Canada Council for an outstanding contribution by a social scientist to public debate. She has received an Honorary Doctorate of Laws from the University of Alberta, the University of Cape Breton, and McMaster University. She is a member of the Order of Canada and the Order of Ontario.

Eneken Tikk is the acting branch chief of Law & Policy branch in the NATO-accredited Cooperative Cyber Defence Centre of Excellence in Tallinn, Estonia. She is a legal expert on personal data, databases, and public information law. She has worked for the Estonian Ministry of Defence, the Estonian Ministry of Justice, and the Estonian Ministry of Social Affairs and among other tasks led preparations for the 2nd Data Protection Evaluation for Schengen Information System for the Estonian Ministry of Justice. She is currently pursuing a PhD in Law at Tartu University, with a focus in Information Technology and Cyber Defence Law.

Paul Twomey (PhD) is the Managing Director of Argo Pacific, a high-level international Internet and technology advisory and investment firm. He is also a founder of Leagle Inc., an online legal content and community aggregation business. After four years as Chair of its Governmental Advisory Committee, he served as President and CEO of ICANN from 2003-2009 and as Senior President until January 2010. Prior to ICANN, he was founding CEO of the Australian National Office for the Information Economy, and the Australian federal government's Special Adviser for the Information Economy and Technology.

Ted Tzavellas is Vice President with S4 Incorporated and heads the Information Effects Business Unit. Prior, he was the Senior Information Policy and Strategy Advisor to the Department of Defense, Joint Staff Deputy Director Global Operations. Since 2001, he has worked closely with various Federal Departments and Agencies to develop information policies, strategies, and actions that apply the perceptual assets and informational capabilities of the US Government to achieve national objectives. With his deep understanding of human factors, and technology and its applications, he has helped various entities identify current, and future, informational and technical threats, vulnerabilities, and protection capabilities and measures.

Nart Villeneuve is a Senior Threat Researcher at Trend Micro. He was formerly Chief Research Officer for SecDev.cyber and a senior research fellow at the Citizen Lab, Munk School of Global Affairs, University of Toronto. His research focuses on malware, botnets and the cyber-criminal underground. His technical research led to the discovery of two cyber-espionage networks, GhostNet, which compromised diplomatic missions around the world; and ShadowNet, which extracted secret information from the Indian government.

Derek Wyatt was a UK Member of Parliament from 1997-2010. He worked in the Culture and Foreign Affairs ministries. He founded the Oxford Internet Institute at Oxford University in 2000 and created a Digital Day for the Nation (now a week) in 2007. He is currently busy with putting together a World Internet Policy Institute.

Jonathan Zittrain is a Professor of Law at Harvard Law School, a co-founder of the Berkman Center for Internet and Society and served as its first executive director from 1997-2000. His research includes digital property, privacy, and speech, and the role played by private "middle people" in Internet architecture. He has a strong interest in creative, useful, and unobtrusive ways to deploy technology in the classroom.

PARTICIPANTS

* **Wassim Abdullah** is an expert in electronics and telecommunications with more than 30 years of experience in infrastructure design and development. He has participated in diverse projects which aim to encourage the growth of a multi-media and an information-based economy in the West Bank and Gaza. The Oslo Agreement which set the peace process in motion enabled him to return to Palestine and become the technical director at the Institute of Modern Media. He then worked as the ICT consultant for two successive Ministers of Telecoms and IT. Following that, he worked as Minister of Labour and then as Minister of Interior. He is now the adviser to the chairman of the Palestine Public Broadcasting Commission. He obtained a Master of Science degree in Digital Electronics from the University of Manchester and a Bachelor of Science degree in Electronics and Communication from the University of London. He now lives and works in Ramallah, Palestine. He is fluent in Arabic, English and French.

* **Walid Al-Saqaf** is a Yemeni activist, software engineer and scholar. From 1999-2005, he was the publisher and editor-in-chief of the *Yemen Times*, which was founded by his father in 1990. Since 2009, he has been a PhD candidate at Örebro University in Sweden, where he teaches online investigative journalism and Web design. In 2010, he won a TED fellowship and the 2010 Democracy award of Örebro University for research and activism in fighting censorship. His current projects include Yemen Portal, a news aggregator focused on Yemen and Alkasir, a censorship circumvention software solution that allows Internet users to access certain informational websites blocked in their countries.

Tiago Alves de Jesus is a Senior Research Analyst with the Royal Canadian Mounted Police.

Denise Anthony (PhD, University of Connecticut) is Associate Professor and Chair in the Department of Sociology at Dartmouth College. She is also Research Director of the Institute for Security, Technology, and Society at Dartmouth, and a faculty affiliate at the Center for Health Policy Research at the Dartmouth Institute for Health Policy and Clinical Practice. Her research interests include collective action and trust, economic sociology, and the sociology of health care. She has explored mechanisms for producing cooperation, trust and social capital in a variety of settings, from micro-credit borrowing groups to online groups such as Wikipedia.org. In health care, she has studied variation in managed care practices across the US, and how organizational incentives and communication networks affect physician's referral behavior and career satisfaction. More recently her work examines variation in patient preferences for care, regional differences in physician practice patterns, as well as predictors of hospital compliance with HIPAA requirements.

Jochai Ben Avie is a Policy Analyst for Access Now.

Jeffrey Bonvie is an Advisor with the National Cyber Security Directorate of Public Safety Canada. NCSD is the directorate responsible for creating the Government of Canada's Cyber Security Strategy and is now working on its implementation. His current focus within NCSD is the development of whole of government situational awareness for cyber security incidents; and bridging the gap between the technical practitioner and executive level decision makers on cyber issues. He obtained his MSc from the University of Edinburgh and his Honours BA from Carleton University.

Christopher Bronk is a Baker Institute fellow in IT policy and a lecturer in Rice University's Department of Computer Science. He previously served as a career diplomat with the United States Department of State. Since arriving at Rice, he has divided his attention among a number of areas including information security, technology for immigration management, broadband policy, Web 2.0 in government and the militarization of cyberspace. Holding a PhD from The Maxwell School of Syracuse University, he also studied international relations at Oxford University and received a bachelor's degree from the University of Wisconsin-Madison.

Amy Buskirk is the Senior Program Officer at the Donner Canadian Foundation, which supports a wide variety of charitable activities, including environmental, public policy, and international development and human rights projects. It also sponsors the Donner Canadian Foundation Awards for Excellence in the Delivery of Social Service and The Donner Prize for the best book on Canadian public policy.

Gordon Campbell is the Director of E-Business Development, Industry Canada

Mel Cappe is the President and Chief Executive Officer of the Institute for Research on Public Policy. He has spent more than thirty years in the Canadian public service, most recently as the high commissioner for Canada to the UK and Northern Ireland. He was appointed clerk of the Privy Council, secretary to the cabinet and head of the public service in January 1999, relinquishing the latter position in 2002 to become special adviser to Prime Minister Jean Chrétien. He has held senior economic and policy positions in federal government departments. He has served as deputy secretary to the Treasury Board, deputy minister of the environment, deputy minister of human resources development, deputy minister of labour and chair of the Employment Insurance Commission. He holds the position of Professor in the School of Public Policy and Governance at the University of Toronto. He was named Officer of the Order of Canada in 2009

Lieutenant-Colonel Francis Castonguay graduated in 1987 from the Collège Militaire Royal in St-Jean, QC with a Bachelor of Sciences. Since December 2004, he has been a certified Project Management Professional in good standing. In June 2009, he graduated from the Royal Military College Master in Defence Studies programme. His military career spans several diverse assignments in various technology disciplines including: electronic warfare (EW), software development, telecommunications, project management, network operations, multinational experimentation, and concept development. He is currently employed as the Commander of the Canadian Forces Cyber Task Force.

Andrew Clement is a Professor in the Faculty of Information at the University of Toronto, where he coordinates the Information Policy Research Program and is a co-founder of the Identity, Privacy and Security Institute. With PhD in Computer Science, he has had longstanding research and teaching interests in the social implications of information/communication technologies and human-centred/participatory information systems development. His research has focused on public information policy, Internet use in everyday life, digital identity constructions, public participation in information/communication infrastructure development, and community networking. Among his recent research projects related to identity, privacy and surveillance, he is a co-investigator in The New Transparency: Surveillance and Social Sorting research collaboration, a seven year SSHRC funded Major Collaborative Research Initiative.

Kate Coyer is the Director of the Center for Media and Communication Studies at Central European University and teaches in the Departments of Public Policy and Political Science. Previously, she held a Postdoctoral Research Fellowship with the Annenberg School for Communication at the University of Pennsylvania. She has also taught at the University of California, Berkeley, and Goldsmiths College, University of London, where she received her PhD in 2006. Her research is focused around civil society and communication, both policy and practice, and is currently conducting a study of tools and technologies as activist intermediaries. She has also been producing radio and organizing media and policy advocacy campaigns for the past twenty years and helps build community radio stations and train activists engaged in both on and offline production.

Terry Cutler is a co-founder of Digital Locksmiths, Inc., an IT security and data defense firm based in Montreal and serves as the company's Chief Security Evangelist and Certified Ethical Hacker. He is a frequent contributor to securityweek.com. Prior to joining Digital Locksmiths, he was a Premium Support Engineer for Novell Canada where he analyzed network vulnerabilities and transitioned security technologies into production. In addition to being a licensed private investigator in Canada, he is an internationally known author, trainer, speaker, and security consultant. He has appeared in numerous national television and radio programs and is very active on the conference circuit. Follow him on Twitter at @TerryPCutler.

Doug Dempster was Assistant Secretary General for Executive Management at NATO in Brussels from 2005-2010, where he handled a cascade of cyber attacks in 2010. Major-General Dempster served as Chief Strategy Officer in the Department of National Defence in the post 9/11 period, and prior to that as Deputy Commander of Canada's army. He has championed innovation and experimentation in sensors and information fusion. As a Signals Officer, he has extensive experience in information operations, system engineering, project management, information security and electronic warfare.

Major James Denford is Officer Commanding 3 Squadron at the Canadian Forces School of Communications and Electronics, where he is responsible for cyber domain individual training. As a Signals Officer, he has a background in signals intelligence, information systems project management, information technology infrastructure management, simulation-based experimentation and tactical and operational communications and information systems. Major Denford holds a PhD in Management from Queen's University. He is an Adjunct Professor at the Royal Military College of Canada, with active research streams in strategic alignment, knowledge management and information systems leadership.

Lynn Dickson currently serves as a Policy Advisor with the Human Rights and Governance Policy Division at Foreign Affairs and International Trade Canada. She works on issues related to the Internet and human rights. Previously, she developed and implemented Canada's democracy support policy. Prior to joining the department, she worked for several NGOs with a focus on international peacebuilding and development. She holds an MA in International Affairs from Carleton University and a BA in International Relations from the University of British Columbia.

Corey Michael Dvorkin is the Acting Director of Cyber Policy in the National Cyber Security Directorate of Public Safety Canada, and lead author of *Canada's Cyber Security Strategy*, released by the Government in October 2010. He comes to Public Safety Canada after ten years with the Policy Group of the Department of National Defence. There, his focus was on Canada-US relations, defense technology, and space and nuclear weapons policy. Prior to joining Government, he held various research positions in the US. His study of American intelligence agencies' influence on space law was included in *Commercial Satellite Imagery and UN Peacekeeping* (2004). He holds a Master's degree from Georgetown University.

Laurent Elder leads the Canadian International Development Research Centre's Pan Asia Networking program, which supports research on the positive and negative impacts of the information society on Asian countries in order to help communities make the best use of information and communication technologies. From 1999-2004, he was based in Senegal at IDRC's office for West and Central Africa, where he worked with the Acacia initiative. He holds an MA in business administration and history from the University of Ottawa. His recent publications include: *Open Development: A New Theory of ICT4D*, and *At the Crossroads: ICT Policy Making in East Africa*.

Troy Etulain is Senior Advisor for Media Development at USAID. Since joining USAID's Office of Democracy and Governance in 2007, he has focused on applying technology to support media development and freedom of in repressive and remote programming environments. He is the technical lead on USAID's work on supporting Internet freedom and information security. He served as Internews Network's Country Director in Tajikistan from 2005-2007. He holds an MA in international development from the Fletcher School of Law and Diplomacy and a BA in English and International Relations from Georgetown University. Prior to joining USAID, he covered Georgia and Armenia for Bloomberg News.

Sheila Flynn is a Foreign Affairs Officer in the State Department's new Office of the Coordinator for Cyber Issues. Prior to this assignment, Sheila served for two years as the Director for East Asia and Pacific in the State Department's Communications and Information Policy office and coordinated senior-level bilateral ICT Dialogues with China and Japan. During this time, she also served as the Economic Bureau's working-level representative to the Department's Net Freedom Taskforce. She holds a Masters Degree in International Studies from the University of Denver.

Vera Franz heads the Information Policy and Intellectual Property Reform initiatives at the Open Society Foundation's Information Program. She has been deeply involved in the launch and development of the global access to knowledge movement, and is also working to strengthen civil society advocating for the protection of human rights online. Most recently, she launched an initiative on Genetic Information & Open Society. At OSF, she taught a course on media, technology, and globalization at the Department of Communications at Salzburg University, Austria. She wrote two chapters in *Access to Knowledge in the Age of Intellectual Property*, edited by Krikorian and Kapczynski. Before joining the OSF, she was affiliated with the Austrian Techno-Z Research and Development Institute, researching information market developments for the European Commission. She holds an MSc in Media and Communications from the London School of Economics and an MPhil in Political Science from Salzburg University.

* **Bob Gordon** is leading the Public Safety Canada team in developing a national cyber security strategy for Canada. He has held executive positions at the Assistant Deputy Minister level within the Communications Security Establishment Canada and the Canadian Security Intelligence Service, was a member of the Royal Canadian Mounted Police and is on the Council of Advisors at the Canadian Centre of Intelligence and Security Studies at Carleton University.

Robin Gould-Soil is the director of PIPEDA investigations at the Privacy Commissioner of Canada.

Robert Guerra currently directs the Internet Freedom project at Freedom House which aims to analyze the state of Internet freedom, to expand the use of anti-censorship technologies, to build support networks for citizens fighting against online repression and to focus greater international attention on the growing threats to users' rights. He is one of the founding directors of Privaterra—a Canadian-based initiative that works with NGOs to assist them with issues of data privacy, secure communications, information security, internet governance and internet freedom. He has advised numerous non-profits, foundations and international organizations, including Taking IT Global and DiploFoundation's Internet Governance and Policy Capacity Building Programme.

Anna Gray-Henschel (PhD) joined the Royal Canadian Mounted Police (RCMP) as a civilian member in 1992. She was appointed Director General of the RCMP's Strategic Integration and Program Support, National Security Criminal Investigations (NSCI) in 2006. In this role, she provides strategic direction and client services to NSCI in the areas such as counter-radicalization and community outreach, NS-related intelligence research and development, alternative analysis, policy and program development, and briefings. She is also responsible for the development of NS partnerships and liaisons with internal partners, external stakeholders, RCMP Divisions, senior government, and international bodies. She is Director at Large of the Canadian Psychological Association, Extremism and Terrorism Section, and a member of the Centre for National Security, Conference Board of Canada; Canadian Association Chiefs of Police; and the Homeland Security Policy Institute, George Washington University, amongst others. In 2002, she received the Queen's Golden Jubilee Medal for her work with the RCMP nationally and internationally.

Lieutenant Colonel Stephen Hall is the Commandant of the CF School of Communications and Electronics in Kingston Ontario. CFSCE provides Information Technology related education and training for all three services of the Canadian Forces. For the past two years, CFSCE has been developing cyber education and training programs.

Fenn Hinse is the Senior Political Officer at the Embassy of the Kingdom of the Netherlands in Ottawa. She focuses on political affairs including efforts to encourage bilateral cooperation between the Netherlands and Canada, political reporting, actively supporting the Dutch human rights policy, and coordinating incoming and outgoing visits. She holds a Bachelor of Arts (Honours) degree in political science and law from Carleton University and she obtained her Master of Laws degree in Public International Law from the London School of Economics and Political Science.

Sharon Hom is the Executive Director of Human Rights in China and leads HRIC's human rights and media advocacy and strategic policy engagement with NGOs, governments, and multi-stakeholder initiatives. She has appeared as guest and commentator in broadcast programs worldwide and was named one of the "50 Women to Watch" by the Wall Street Journal in 2007. She taught for 18 years as Professor of Law at the City University of New York's School of Law. She has trained judges, lawyers, and law teachers at eight law schools in China over a 14-year period in the 1980s and 1990s.

Richard Hunt has worked for the UK Government for over 30 years. He is currently employed as a Senior Principal Officer in an Information Security capacity focusing on cyber defence as a key enabler. He has a Bachelor of Arts (Honours) degree in History from the University of Bristol in England and received an Order of the British Empire medal for services to the UK in 2006.

Roger Hurwitz is a research scientist at the Computer Science and Artificial Intelligence Laboratory, with expertise in computational social science, international relations theories and Middle East politics. He organized the multi-disciplinary research project 'Explorations in Cyber International Relations' based at MIT and Harvard and sponsored by the US Defense Department Minerva Research Initiative, to investigate international political challenges and opportunities in and about cyberspace. In the 1990s, he co-developed the White House Electronic Publications Service, a pioneer in online governmental communications, and the Open Meeting System, a platform for wide area collaboration and deliberation on regulations and legislation.

Jennifer A. Jeffs (PhD, University of Toronto) is the President of the Canadian International Council. Prior to her position at the CIC, she was the Deputy Executive Director of the Centre for International Governance Innovation. She was the founder and director of the Center for Inter-American Studies and Programs, a Latin American research institute based at Instituto Tecnológico Autónomo de México in Mexico City where she was also a professor in the Department of International Relations. Her background includes positions at the Council of the Americas/Americas Society in New York City and in the financial services industry. She is a member of the editorial board of *Foreign Affairs en Español*, Director of the Canadian Council of the Americas, and Director of the Centro de Estudios y Programas Interamericanos in Mexico City. She sits on the advisory council of the Canada-Mexico Initiative.

James Junke is the Director of Human Rights and Governance Policy at the Department of Foreign Affairs and International Trade. He holds a Bachelors degree in Political Science from the University of Western Ontario, and a Masters of Public Administration from the Kennedy School of Government from Harvard University.

Karl Kathuria is responsible for the distribution of the BBC World Service portfolio of 28 language web sites, and the infrastructure for content management systems that power 24x7 multimedia news operations. He has led the strategy for content distribution since 1999, having joined the BBC when the first language news sites were being launched. He is currently involved in a number of projects related to the delivery of content into countries where the BBC is often unavailable, looking at how to detect when sites are being blocked, and what steps can be taken to get BBC news content to its audience.

Lu Lan is Divisional Director of the Internet Media Research Centre at the State Council Information Office in China.

Angus MacDonald is the Senior Manager of Government Programs at Trend Micro.

Tattu Mambetalieva is the Director of the Public Foundation's Civil Initiative on Internet Policy (Kyrgyzstan), and Regional Coordinator of the OpenNet Initiative for CIS countries. She has a significant experience of work as an expert of policy and legislation in the field of Information and Communication Technologies (ICT). She successfully promotes the legal and regulatory reforms in ICT policy to provide transparent and predictable regulation, competition, and free access to the telecommunication services and information resources in Kyrgyzstan. She is also actively engaged in the regional CIS and international ICT policy and advocacy activities—namely, she is a legal consultant for the Regional (CIS) Commonwealth in the field of Communications and Inter-parliamentary assembly of CIS countries.

Lieutenant Colonel Andrew Metcalfe is a US Marine Corps judge advocate currently serving as the Staff Judge Advocate for US Marine Corps Forces Cyber Command, the Marine Corps component to the US Cyber Command. He also serves as an operations attorney for the office of the Staff Judge Advocate, US Cyber Command. Previous tours have included serving as the Branch Head for Operational and International Law at Headquarters, US Marine Corps, Staff Judge Advocate for US Marine Corps Forces, Southern Command, and Staff Judge Advocate for the 15th Marine Expeditionary Unit.

Robert Near (Major Ret'd) (OMM, CD, MA) is part of the Joint Capabilities Development Team at the Canadian Forces Warfare Centre Ottawa, where he is responsible for exploiting NATO and international military programs in support of Canadian requirements. Prior to this, Mr. Near served in the Canadian Army (The RCR) in various command and staff positions. These included three tours with Canada's NATO Brigade in Germany, as well as Bosnia and Cyprus. He authored the Army's keystone doctrine manual CFP 300, articulating the Canadian Army's ethos and professional standards. He also served in intelligence and strategic planning positions with a focus on concept development and experimentation, NATO Transformation, and Comprehensive / Whole of Government Approach. Mr. Near has a Master-of Arts in War Studies from the Royal Military College of Canada, and holds the Order of Military Merit and Army Commander's Commendation.



Brigadier-General Kevin O'Keefe (OMM, CD) retired from the Canadian Forces in 2004. His last appointment was as Director General Information Management Operations (DGIMO)/J6. In this assignment he was responsible for the operation and maintenance of the DND/CF Information Technology Infrastructure, the Canadian Forces Information Operation Group including signals intelligence and computer network operations and the Communication Reserve. During his career, he commanded at several levels including serving as the last Commander of Canadian Forces Europe Communication Group in Lahr, Germany. He served as the Chief of Communications and Information Systems, NATO Stabilization Force, Sarajevo, Bosnia and Herzegovina during the NATO Campaign in Kosovo. He currently is a partner at CFN Consultants, a Defence and Security consulting firm in Ottawa, Ontario. He is a graduate of St. Francis Xavier University, the University of Ottawa, the Canadian Forces Command and Staff College, and the NATO Defence College.

Peter Paquegnat works at the Office of the Privacy Commissioner of Canada.

Nancy Paterson (PhD, York University) has been an instructor at the Ontario College of Art & Design since 1987. She is Facilities Manager at Charles Street Video, a non-profit, artist-run centre providing production and post-production facilities for digital video and audio. She has received grants from the federal & provincial Arts Councils, for specific projects and for creative development of new media projects including: tele-robotic artworks, net-art, 3D computer-graphic and immersive environments. An investigative project in the area of network studies titled 'IXmaps: Mapping Internet Interconnection' is under development.

Chris Prince has been an analyst with the Legal, Policy and Parliamentary Affairs branch for the Office of the Privacy Commissioner of Canada since 2007. His focus has been national security programs and governance, surveillance technologies and international laws around interception of private communications. He received his Masters degree from McGill's School of Information Studies in 2001. His main academic interest was the history of communications. He has also published a number of papers on concepts of trust and citizenship, in addition to briefs on the lawful access issue.

Colin Robertson is a Senior Strategic Advisor for McKenna, Long and Aldridge LLP in Ottawa, Canada. He is Vice President and Senior Research Fellow at the Canadian Defence and Foreign Affairs Institute and a Distinguished Senior Fellow at the Norman Paterson School of International Affairs at Carleton University. He is Vice Chair of the board of Canada World Youth and a member of the board of the Conference of Defence Associations Institute. He is currently President of the National Capital Branch of the Canadian International Council. He is an Honorary Captain (Navy) and a former Canadian diplomat.

* **Bruce Schneier** is an internationally renowned security technologist and author. Described by *The Economist* as a "security guru," he is best known as a refreshingly candid and lucid security critic and commentator. His current book, *Schneier on Security*, offers insight into everything from the risk of identity theft (vastly overrated) to the long-range security threat of unchecked presidential power and the surprisingly simple way to tamper-proof elections. Regularly quoted in the media, he has testified on security before the US Congress on several occasions and has written for many major publications, including *The New York Times*, *The Guardian*, and *The Washington Post*. He also publishes Crypto-Gram—one of the most widely read forums for free-wheeling discussions, pointed critiques, and serious debate about security.

Eric Sears works in several human rights grantmaking areas, including making investments aimed at leveraging technology for the promotion and protection of human rights and increasing accountability for international crimes. Prior to joining the Foundation in May 2009, he served as Program Officer in the Crimes Against Humanity Program at Human Rights First. In this capacity he engaged in research and advocacy on a range of issues related to ending atrocity crimes, with a focus on the Great Lakes Region in Africa. He also worked for Amnesty International USA where he held several positions; including directing the organization's campaign aimed at reforming U.S. counterterrorism policies. He helped establish the organization's emergency response unit.

Sara Sixsmith is a Senior Policy Analyst with National Defence (Canada).

Ton Slewe is an experienced security expert and project manager. He has advised many large organizations regarding the improvement of information security. Last year, he led the trend research for the Dutch National Trend Report on Cybercrime and Digital Security, which he co-authored. In a previous position, he had the lead in creating and implementing essential security improvements for Internet Banking. He holds a Bachelor degree in Computer Science from the College of Advanced Technology in Haarlem and a Masters degree in Business Administration from the Erasmus University Rotterdam.

Pieter Smidt van Gelder is a Policy Officer with the Human Rights department of the Netherlands Ministry of Foreign Affairs. His portfolio includes freedom of expression, media diversity, and Internet freedom.

Vivek Srinivasan recently joined the Liberation Technology Program at Stanford University after completing his PhD in social sciences from the Maxwell School of Syracuse University. His dissertation examined why Tamil Nadu, a southern Indian state, developed an impressive commitment to provide basic public services to all its residents. Prior to the PhD, he worked on two major campaigns on the right to food and education in India. His interests include collective action for socio-economic rights, the use of technology for public action, development studies and South Asian politics.

Colonel Ilmar Tamm assumed his current position as Director of the Centre of Excellence of the Cooperative Cyber Defence in 2008. Colonel Tamm has served in the Signal Battalion, Tallinn, and worked as G6 Chief and Chief of Communication and Information Systems Department (J6) in the General Staff of the Estonian Defence Forces. In 2005, Colonel Tamm was assigned for three years to the Allied Land Component Command Headquarters Heidelberg, Germany as G6 Current Operations and Exercises Section Head. During this assignment, he was deployed in July 2007 for six months to Afghanistan, HQ ISAF in Kabul, as Chief Operations of the CJ6 Joint CIS Control Centre.

Lhadon Tethong is a 32-year old Tibetan born and raised in Canada and is one of the most recognizable faces in the Tibet movement. She was a leading force in scoring an unprecedented campaign victory in 2000, when a coalition of Tibet supporters and environmental and human rights activists prevented a World Bank project that would have underwritten the resettlement of tens of thousands of Chinese settlers in Tibet. In the week preceding the one-year countdown to the Beijing Olympics, she traveled to Beijing and launched the blog 'Beijing Wide Open' to report on the Olympic preparations and China's political usage of the games to legitimize the occupation of Tibet. Her reporting received instant worldwide attention. She served as co-chair of the Olympics Campaign Working Group of the International Tibet Support Network and played an instrumental role in coordinating and supporting global actions and protests targeting China's Olympics. She has worked for SFT since March 1999, and currently serves as the Executive Director of Students for a Free Tibet International.

Andrew L. Vallerand (PhD) is the new Director of Public Security Technical Program of Defence Research and Development Canada Center of Security Science, a program that supports 21 departments and agencies with homeland security research, technology and analysis (RT&A). With a career spanning twenty years of contributions in RT&A, he specializes in the research, design and implementation of innovative applied physiology, human factors, modeling and simulation, and capability assessment science and technology (S&T). At various Canadian and overseas defence research and development labs, he has established investment guidance and directions for human factors, modeling and simulation, science and capability assessment domains; led major S&T initiatives; mentored staff and graduate students; and spearheaded several major science and technology programs through the 5-nation TTCP, the CA-US bi-lateral PSTP, and NATO Panels. He is now leading homeland security "S&T clusters" across the whole-of-government of Canada to address capability gaps. He remains engaged with academia as Adjunct Professor at various Universities.

Katrin Verclas is the co-founder and editor of MobileActive.org, a global network of practitioners using mobile phones for social impact. She is currently working on mobile projects in governance, accountability, and political participation in emerging democracies. She has written widely on mobile phones in citizen participation and civil society organizations, and mobile phones in health and for development. She has led several nonprofit organizations, including The Nonprofit Technology Network as Executive Director. Previously she served as a program officer at the Proteus Fund. She is the editor of *Managing Technology to Meet Your Mission*, published by Wiley & Sons and has published numerous articles and publications on technology for social change in leading publications. She has been a TED Fellow and an MIT Media Lab fellow, and in 2011, was named by Fast Company as one of the most "Influential Women in Tech."

Stefaan G. Verhulst is the Chief of Research at the Markle Foundation and Senior Research Fellow at the Center for Global Communications Studies, Annenberg School for Communications, University of Pennsylvania. He is also an Adjunct Professor in the Department of Culture and Communications at New York University, and Senior Research Fellow for the Center for Media and Communications Studies, Central European University in Budapest. Previously, he was the Co-Founder and Co-Director of the Programme in Comparative Media Law and Policy at Oxford University, as well as Senior Research Fellow at the Centre for Socio Legal Studies. In that capacity, he was appointed the Socio-Legal Research Fellow at Wolfson College at Oxford. He was the UNESCO Chairholder in Communications Law and Policy for the UK, a former lecturer on Communications Law and Policy issues in Belgium, and Founder and Co-Director of the International Media and Info-Comms Policy and Law Studies at the School of Law, University of Glasgow. He has served as consultant to various international and national organizations, including the Council of Europe, UNESCO, and World Bank.

David S. Wall (BA, MA, M Phil, PhD, FRSA, AcSS) is Professor of Criminology at Durham University where he conducts research and teaches in the fields of cybercrime, policing, and intellectual property crime. He has published a wide range of articles and books on these subjects, which include amongst others, *Cybercrime: the Transformation of Crime in the Information Age* (Polity, 2007). He is an Academician of the Academy of Social Sciences (AcSS) and a member of the ESRC Grants Delivery Panel. He was formerly Head of the School of Law (2005-2007) and Director of the Centre for Criminal Justice (2000-2005) at the University of Leeds.

Mehdi Yahyanejad is the founder and director of Balatarin, a website developed and launched in 2006 and now recognized as the most popular web 2.0 website in Persian. He co-founded the Iranian Studies Group and the Knowledge Diffusion Network. He has been pursuing and researching social media and web 2.0 development for the past five years. He has launched websites such as the online magazine Free Thoughts on Iran, a crowd sourcing website to categorize blogs, and a blog news aggregator. He co-hosted Radio Haftegi in 2006, which won the Best Podcast award in the Deutsche Welle's BOBs competition. He received his PhD in Physics from MIT with expertise in data mining and statistical methods. He developed new techniques in genome research as a postdoctoral researcher at Stanford University's School of Medicine. He won the bronze medal in the 1993 International Physics Olympiad for Iran's national team.

Wang Yangyang is an Officer of the Internet Media Research Center (SCIO) in China.

* *could not participate*