



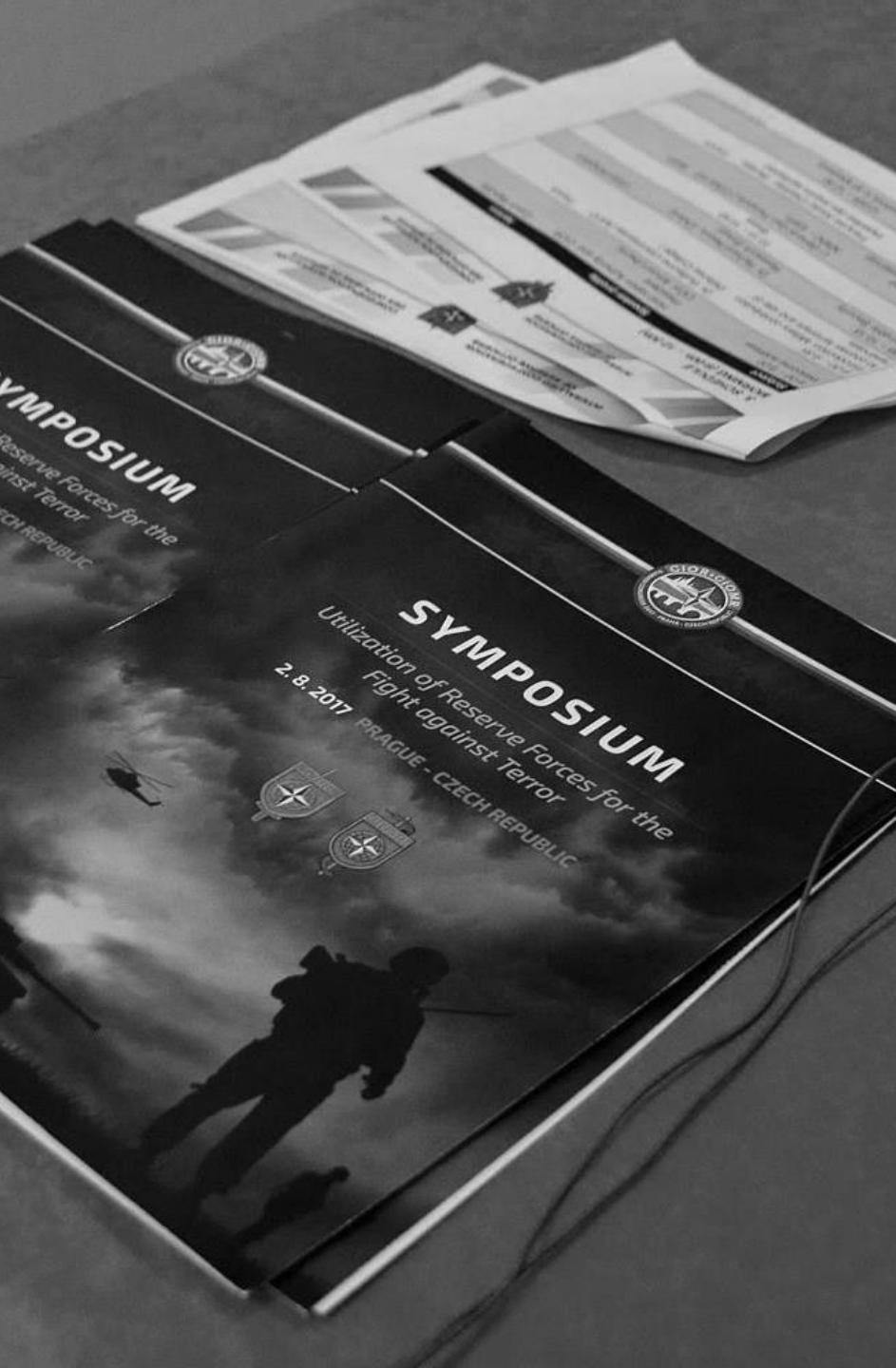
CIOR SYMPOSIUM 2018

Utilization of Reserve Forces for the fight against

DISRUPTIVE WARFARE FORMATS

Canada - August, 2018





ABOUT THIS DOCUMENT

The CIOR SYMPOSIUM is the academic forum included in the CIOR Summer Congress activities that gives the opportunity to debate a significant subject taking a closer look at how reservists can contribute to leverage our open societies.

TOPIC 2018

“Utilization of Reserve Forces for
the fight against **disruptive
warfare formats**”

Canada – August, 2018

MORNING LECTURES

1. Introduction by the moderator

Regardless of the need now felt by the armies of more special forces, better intelligence and full interoperability, there are weapons capabilities derived from emerging technologies, such as directed energy weapons, unmanned media or hypersonic missiles, among others, that will allow the superiority on the future battle field.

International Community is facing a dual challenge:

- 1.- Multidimensional threats and multipolar world order.
- 2.- SIGNIFICANT CHANGES IN TECHNOLOGY that have a broad impact on the society and the military

In this new environment, how can reservists be relevant and influent in THE SECOND MACHINE AGE?

Moderator: **Doctor Guillaume Lasconjarias**

NATO DEFENSE COLLEGE – ROMA



MORNING LECTURES

2.- Cyber security, data protection, telecommunications, and how this new technologies as disrupting significantly our society and governments

Computers and other digital advances are doing for mental power, what the steam engine did for muscle power. They're allowing us to blow past previous limitations and taking us into a new territory... We are living in a time of astonishing progress with digital technologies and this technical progress is improving exponentially.

Speaker: **Charles S. Morgan**

McCARTY TETRAULT PARTNER - CANADA



MORNING LECTURES

3.- Artificial intelligence, international competition and the balance of power

The nature of warfare and conflict is changing rapidly... We are fast approaching a time when autonomous or semi-autonomous weapons systems will become combat viable and artificial intelligence will move from science fiction to science fact... At the same time new technologies will include a whole range of emerging techniques of cyber war.

Different technological developments over the past decades have progressively altered the economics of defence production and supply... The commercial industry is currently the main source of technological innovations... How reservists can contribute to integrate commercial innovations into the battle-space?

Speaker: **Professor Michael C. Horowitz**

*ASSOCIATE DIRECTOR OF PERRY WORLD HOUSE AT THE
UNIVERSITY OF PENNSYLVANIA - USA*



MORNING LECTURES

4.- Healthcare influence of new technologies in the medical community and the military

How new innovations can improve healthcare in the Military.

CIOMR speaker: **Dr. Joseph L. Ronzio,**

DEPUTY CHIEF HEALTH TECHNOLOGY OFFICIER FOR
VETERANS HEALTH ADMINISTRATION



AFTERNOON WORKSHOP

CYBER THREATS – ARE WE PREPARED?

Improving the resilience of communication and information systems is important to support the digital single market.

Cyber as the new asymmetric battlefield:

Bits, Bytes and Bombs The Cyberwarfare Arena

To be confirmed





SUMMARY



MORNING LECTURES

1. Introduction by the moderator

Guillaume Lasconjarias

**2. Cyber security, data protection,
telecommunications, and how this
new technologies as disrupting
significantly our society and
governments**

Charles S. Morgan

**3. Artificial intelligence,
international competition and the
balance of power**

Professor Michael C. Horowitz

**4. Healthcare influence of new
technologies in the medical
community and the military**

Dr. Joseph L. Ronzio



AFTERNOON WORKSHOP

**CYBER THREATS – ARE WE
PREPARED?**

**1. Cyber as the new
asymmetric battlefield**

*Bits, Bytes and Bombs The
Cyberwarfare Arena*

(to be confirmed)



PARTICIPANTS

M o r n i n g S p e a k e r s



**Doctor Guillaume
Lasconjarias**

*NATO DEFENSE COLLEGE –
ROMA*



**Professor Michael C.
Horowitz**

*ASSOCIATE DIRECTOR OF PERRY
WORLD HOUSE AT THE UNIVERSITY
OF PENNSYLVANIA - USA*



Charles S. Morgan

*McCARTY ETRAULT
PARTNER - CANADA*



Dr. Joseph L. Ronzio

*DHSc, CPHIMS, SHIMSS Deputy
Chief Technology Officer - USA*

***Afternoon Workshops TBC**



Doctor Guillaume Lasconjarias
NATO DEFENSE COLLEGE – ROMA

Dr. Guillaume Lasconjarias is a Research Advisor in the Research Division of the NATO Defense College in Rome. His areas of interest include military doctrine, counter-insurgency operations, revolution in military affairs and professional military education. He also studies the concept of hybrid war.

Prior to his current position, he was a researcher at the French Ministry of Defense (IRSEM - Institute for Strategic Research) from 2010 to 2012. In this capacity he lectured on various topics at the French *École de Guerre*, where he was also in charge of an elective course.

From 2007 to 2010, he served as Deputy to the Head of the Research Bureau at the French Army Centre for Force Employment Doctrine. He started his professional career as a university lecturer at the Sorbonne in Paris.

Guillaume Lasconjarias is also a reserve officer, having graduated from the ROTC in Saint-Cyr Coëtquidan. He has been deployed on various exercises and operations. He currently serves as a staff officer within a multinational headquarters.

He holds a PhD in History from the Sorbonne. A former student of the *École Normale Supérieure* in Lyon, he has published two books and several articles in French and English defense publications. His latest works have been published by the US Army War College and the academic journal *Survival*. He regularly gives interviews on strategic issues.



Charles S. Morgan

McCARTY TÉTRAULT PARTNER - CANADA

Charles Morgan is the national leader of McCarthy Tétrault's Information Technology Law Group and co-leader of the Firm's national Cybersecurity, Privacy and Data Protection Group. He is also a member of the Financial Technology group (FinTech). McCarthy's Technology Law Group is ranked in the top tier ("Band 1") for Canada by Chambers Global: *The*

World's Leading Lawyers for Business as well as by *The Canadian Legal Lexpert Directory*. Mr. Morgan's practice focuses primarily on complex commercial transactions in the context of tech M&A, outsourcing, cloud, financial technologies, licensing, e-commerce, data protection and telecommunications.

In his international telecom practice, Mr. Morgan has assisted numerous governments and telecommunications regulatory authorities, whether for law reform, regulatory strategy, (fixed and mobile) licensing, interconnection or universal service projects in a variety of countries, including Algeria, Burkina Faso, Kenya, Mali, Morocco, Mozambique, Pakistan and Saudi Arabia.

Mr. Morgan has co-authored the following books: *Cyberlaw: What You Need to Know about Doing Business Online* (Stoddart, 1997); *Cyberlaw: A Guide for South Africans Doing Business Online* (Ampersand, 1999); *Communications Law in Canada* (Butterworths, 2000); *Information Technology Law — E-mail* (LexisNexis Canada, 2008) and *Halsbury's Laws of Canada — Communications* (LexisNexis Canada, 2014). He is a contributor to the book *The Law of Privacy in Canada* (Carswell, 2000).

Mr. Morgan obtained his BA from Trinity College, University of Toronto in 1991; his MA in philosophy from Université de Paris IV-Sorbonne in 1992; and his LLB and BCL from McGill University in 1997. He was called to the Québec bar in 1998.

He is a member of the executive committee of the International Technology Law Association (ITechLaw).



Professor Michael C. Horowitz *ASSOCIATE DIRECTOR OF PERRY
WORLD HOUSE AT THE UNIVERSITY OF PENNSYLVANIA - USA*

Michael C. Horowitz is a professor of political science and the associate director of Perry World House at the University of Pennsylvania. He recently received the 2017 Karl Deutsch Award from the International Studies Association, presented annually to a scholar under age 40 who is judged to have made the most significant contribution to the study of international relations and peace research. Professor Horowitz is the co-author of the book, [*Why Leaders Fight*](#), and his award-winning first book, [*The Diffusion of Military Power: Causes and Consequences for International Politics*](#). His research interests include technology and global politics, military innovation, the role of leaders in international politics, and forecasting. He has published in a wide array of peer reviewed journals, as well as more popular outlets such as the *New York Times* and *Politico*. Professor Horowitz previously worked for the Office of the Undersecretary of Defense for Policy in the Department of Defense. He is affiliated with the Foreign Policy Research Institute, the Center for Strategic and International Studies, and the Center for a New American Security. He is also a Term Member of the Council on Foreign Relations. He has held fellowships at the Weatherhead Center, Olin Institute, and Belfer Center at Harvard, where he received his PhD in Government. Professor Horowitz received his BA in political science from Emory University.



Dr. Joseph L. Ronzio

DHSc, CPHIMS, SHIMSS Deputy Chief Technology Officer - USA

Dr. Joseph L. Ronzio started his career as an Information Technology Architect/Engineer. He managed projects and directed implementations of new technologies for companies such as PNC Bank, Foxwoods Casino, IBM/Lotus, Rockwell, The Gillette Company and The Computer Merchant. After a successful business career, Dr. Ronzio was able to fulfill a childhood dream and served his country in the U.S. Air Force as a commissioned Medical Services Corps officer. In 2008, he separated from Active Duty to achieve his Doctorate in Health Sciences, but still serves in a reserve capacity today. Previously, Dr. Ronzio worked as the Regional Telehealth Coordinator for Veterans Health Administration VISN20 from 2008 to 2012 and was the Department Head for Health Information Management for the U.S. Navy from 2012 to 2013. Dr. Ronzio was deployed as the Director of Operations for the 379th Expeditionary Aeromedical Evacuation Squadron from May to September 2015. He returned from deployment and continues to serve as the Deputy Chief Health Technology Officer for Veterans Health Administration, the position he has held since 2013.



CIOR SYMPOSIUM GROUP

- 2nd Lt. Ramon Alentorn (Spain) – Chairman
- 1st Lt. Julia Llano (Spain)
- Lt Cdr. Jacques Mombaerts (Belgium)

