

# DEBORAH HOUSEN-COURIEL, ADV.

MPA-MC, LL.M, LL.B. B.A.

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## PROFILE

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- ❖ **Expert consultant and practitioner in cybersecurity law, regulation, and policy.**
  - Specialization in major areas of Israeli and global cybersecurity, including cyber strategy, data protection, cyber defense and preparedness, critical infrastructure protection, cyber counter-terrorism, and internet governance
  - Teaching of academic courses on cybersecurity law and policy at several leading universities
- ❖ **Proven leader and strategist with an ability to build fruitful relations with diverse stakeholders and provide expertise** to facilitate policy-making and large-scale initiatives.
  - Over 20 years of high-level management experience with international scope
  - More than 7 years' experience as a Director of international organization developing high-level public leadership in Israel and the US
- ❖ **Diplomatic representation of Israel at regional and multilateral levels** in legal and diplomatic negotiations, including the Oslo Accords, ITU, WTO, and the Israel-Jordan peace treaty; as well as cybersecurity venues internationally
- ❖ **Primary researcher for cybersecurity law and policy projects** and initiatives in Israel and globally.

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## PROFESSIONAL EXPERIENCE

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### INTERNATIONAL AND ISRAELI CYBERSECURITY

<b>GLOBAL FORUM ON CYBER EXPERTISE (GFCE)</b> <i>Advisory Board Member</i>	<b>2016 - 2018</b>
<b>MANUAL ON INTERNATIONAL LAW APPLICABLE TO MILITARY USES OF OUTER SPACE (MILAMOS)</b> <i>Core Expert</i>	<b>2016 - 2019</b>
<b>TALLINN MANUAL 2.0, CCDCOE</b> <i>Member of International Group of Experts</i>	<b>2015 - 2017</b>
<b>NATIONAL CYBER BUREAU</b> <i>Public Committee on Cybersecurity Professions</i>	<b>2013 - 2014</b>
<b>NATIONAL CYBER R&amp;D INITIATIVE ("MEIZAM HACYBER")</b> <i>Co-Chair, Committee on Policy and Regulation</i>	<b>2010 - 2011</b>
<b>ZEICHNER, ELLMAN, KRAUSE LLP</b> <i>Special Counsel</i>	<b>2015 - Present</b>

### TOP-TIER MANAGEMENT

<b>HOUSEN-COURIEL LAW OFFICES</b> <i>Founder and principal</i>	<b>2014-present</b>
<b>THE WEXNER FOUNDATION</b> <i>Director, The Wexner Israel Fellowship Program</i>	<b>2007 - 2014</b>
<b>REUT INSTITUTE</b> <i>Team Leader for Middle East Issue Analysis</i>	<b>2005 - 2006</b>

<b>MINISTRY OF COMMUNICATIONS, DIRECTOR-GENERAL'S BUREAU</b> <i>Senior Department Director for Regulation and International Treaties</i>	2003 - 2005
<b>MINISTRY OF COMMUNICATIONS, LEGAL ADVISOR'S BUREAU</b> <i>Senior Department Director for Regulation and International Treaties</i>	1994 - 2003

### ACADEMIC & RESEARCH

<b>HARVARD UNIVERSITY, KENNEDY SCHOOL OF GOVERNMENT</b> <i>Lecturer on Cybersecurity, Executive Education Program</i>	2016, 2018
<b>GLOBAL COMMISSION ON THE STABILITY OF CYBERSPACE</b> <i>Legal Research Advisory Group Member and Researcher for inaugural project on the Public Core of the Internet</i>	2017
<b>HEBREW UNIVERSITY, FACULTY OF LAW</b> <b>IDC HERZLIYA, LAW AND SECURITY PROGRAM</b> <i>Adjunct Professor, Courses on International and Israeli Cyber Law</i>	2017-2018
<b>TEL AVIV UNIVERSITY, INTERDISCIPLINARY CYBER RESEARCH CENTER</b> <i>Research Fellow</i>	2014 - 2018
<b>MINERVA CENTER FOR THE RULE OF LAW UNDER EXTREME CONDITIONS</b> <i>Lead Researcher, Project on Regulatory Preparedness for Cyber Emergencies</i>	2016 - 2017
<b>INSTITUTE FOR COUNTER-TERRORISM, IDC HERZLIYA</b> <i>Member, Legal Affairs Team and Cyber Terrorism Desk</i> <i>Researcher, Project on Policy for Responses to Terrorism</i> <i>Lecturer, Cybersecurity Executive Education Course</i>	2013 - Present
<b>INTERNATIONAL LAW ASSOCIATION</b> <i>Study Group on Cybersecurity, Terrorism and International Law</i>	2014 - 2016
<b>PRIME MINISTER'S OFFICE</b> <i>Cybersecurity Project</i>	2014 - 2015
<b>YUVAL NEEMAN WORKSHOP FOR SCIENCE, TECHNOLOGY AND SECURITY</b>	2010 - Present
<b>MAFAT</b> <i>Cybersecurity Project</i>	2013

### AWARDS

Wexner Foundation Israel Fellow (MC-MPA), Harvard Kennedy School	2001
Faculty Prize for Public International Law (LL.M.), Hebrew University	1994
Jacob Robinson Prize for International Law	1988
Faculty Prize for Public International Law (LL.B.), Hebrew University	1987
Phi Beta Kappa (B.A.), Wellesley College	1982

### EDUCATION

<b>Doctoral Candidate, Faculty of Law, Haifa University</b>	2017 - Present
<b>Executive Education Program on Cybersecurity: The Intersection of Policy and Technology</b> <i>Harvard University, John F. Kennedy School of Government</i>	2014
<b>MPA-MC, Harvard University, John F. Kennedy School of Government</b>	2001
Deborah Housen-Couriel, Adv.	Page 2 of 5

### Teaching/ Research:

- Researcher, Executive Program on Emergency Preparedness Belfer Center (May - October 2001)
- Research Assistant to Professor Viktor Mayer-Schonberger for project on telecom emergency preparedness

**LL.M. (cum laude), Hebrew University, Faculty of Law**

**1994**

### Teaching/ Research:

- Master's Thesis on International Telecommunication Law, advised by Prof. Ruth Lapidot and Adv. Yitzhak Molcho
- Teaching assistant to Professors Ruth Lapidot, Yehudah Blum, and Nissim Bar-Ya'akov

**LL.B., Hebrew University, Faculty of Law**

**1987**

**B.A., (summa cum laude, Phi Beta Kappa) History and Anthropology (Honors Thesis),**

**Durant Scholar, Wellesley College**

**1982**

**Certificat d'études politiques, École de Sciences Politiques**

**1981**

## **CERTIFICATIONS**

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IBITGQ EU General Data Protection Regulation Foundation (EU GDPR F) and Practitioner (EU GDPR P)

## **MOOCS**

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Cybersecurity Economics (EdX, 2016)

## **PROFESSIONAL AFFILIATIONS**

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- Israel Bar Association (Law, Science and Technology Forum)
- American Society for International Law (Vice Chair, Technology Interest Group)
- *Forum Devorah* for Israeli women in national security professions
- International Law Association
- Editorial Board of the Journal of Law and Cyber Warfare
- Academic Advisory Board for Justice (Legal Magazine of the International Association of Jewish Lawyers and Jurists)

## **SELECTED CONFERENCE PRESENTATIONS**

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- Panel on "Technology Upends Existing Legislative Frameworks", Gateway of India Goeconomic Dialogue 2018 (upcoming, March 2018)
- *Blocking of Cyber-Enabled Communications by States: Ramifications for the Right to Freedom of Communications*, Conference on Cyber Challenges to International Human Rights, Hebrew University and Haifa University (December 2017)
- *Evolving International Legal Norms for State and Non-State Activity in Cyberspace: Taking Stock in Light of Recent Developments*, Hebrew University Cyber Research Center, (November 2017)
- *Growing Challenges to the Rule of Law in Outer Space*, Minerva Center, Law Faculty of Haifa University (June 2017)
- *Cybersecurity Law and National Security*, Israel National Security College (MABAL) (May 2017)
- *Trends in Cybersecurity Law*, Israel Bar Association (February 2017)
- *Cyber Law and Outer Space Law: Current Developments*, Cybertech (February 2017)

- *Legal Aspects of Cybersecurity in Crisis Situations*, Deloitte-Konfidias-Bank HaPoalim Conference (December 2016)
- *Cybersecurity and Space Security: Intersecting Challenges*, UNOOSA (September 2016) and Manfred Lachs Space Law Conference (June 2016)
- *Responding to Cyber Threats in the Transport Sector*, ICT Summit (September 2016)
- *Cybersecurity Threats to Space Missions*, International Astronautical Congress (October 2015)
- *Global Approaches to States' Use of Cyberspace*, CEO Conference, Washington, D.C. (Sept 2015)
- *Cybersecurity and Cyberterrorism*, ICT Herzliya (July 2015)
- *Cybersecurity and Cyber Defense under International Law*, Ambassador of the United Kingdom in Israel (May 2015)
- *The Sony Events in the Light of the Tallinn Process*, Yuval Ne'eman Workshop (January 2015)
- *Cybersecurity and the Future(s) of the Internet*, IDF Advocate-General (October 2014)
- *Cyberterrorism*, International Institute for Counter-Terrorism, IDC Herzliya (September 2014)
- *Cyberterrorism and Israel's Draft Law on Terror*, Israel Bar Conference (May 2014)
- *Technology, Law and National Security in a Changing World*, Haifa University (2013); Israel Cyber Conference (2010, 2012); Herzliya Conference (2011); International Space University (2012); ITU Plenipotentiary (1997)

## **PUBLIC ACTIVITIES**

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Board member for PUSH for Success, TALI Educational Foundation, *Forum Devora*

## **LANGUAGES**

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English (fluent), Hebrew (fluent), and French (intermediate)

## **SELECTED PUBLICATIONS**

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### ***Cybersecurity Law and Policy***

- *An Analytical Review and Comparison of Operative Measures included in Cyber Diplomatic Initiatives*, Global Commission on the Stability of Cyberspace, forthcoming 2018.
- "Space Security and Cybersecurity: Intersecting Challenges", 4<sup>th</sup> Manfred Lachs Conference Proceedings, McGill University, forthcoming 2018.
- Michael Schmitt (ed.), Tallinn Manual 2.0 on the International Law Applicable to Cyber Operations, Cambridge University Press, 2017.
- "Cyberizing Counter-terrorism Legislation and Policy: National and International Developments", ICT Working Papers, 25 September 2017
- "National Cyber Security Organization in Israel", NATO Cooperative Cyber Defense Center of Excellence, Tallinn, June 2017.
- "Israel has dodged a cyber bullet...so far", The Times of Israel, May 15, 2017.
- "Cybersecurity and Outer Space: Connected Challenges", Israel Defense, January 2017.
- "Cybersecurity Threats to Satellite Communications: Towards a Typology of State Actor Responses and an Integrative Multi-Stakeholder Review", Acta Astronautica, 128 (2016) 409-415.
- "Cyber Law and Telecommunications Law", chapter in R. Sabel and Yael Ronen (ed's.), International Law, 3rd ed., Sacher Institute, Faculty of Law, Hebrew University, 2016.
- "Cybersecurity and Anti-Satellite Capabilities (ASAT): New Threats and New Legal Responses",

Journal of Law and Cyber Warfare, Vol. 4:3, Winter 2016.

- Selected Articles Summarizing Cyber Developments in 2014 (Editor), Yuval Ne'eman Workshop, Tel Aviv University, 2015.
- "A Multi-Faceted Strategy for Cyber Standardization" (with A. Ivgi), Proceedings of the 2nd and 3rd Annual Cyber Conference, Yuval Ne'eman Workshop at Tel Aviv University, September 2014.
- "Constructive Ambiguity in Cyberspace: The Legal and Policy Challenges", Proceedings of the 2nd and 3rd Annual Cyber Conference, Yuval Ne'eman Workshop at Tel Aviv University, September 2014
- "The 'Dubai Clash' at WCIT-12: Freedom of Information, Access Rights and Cybersecurity", INSS, March 2014.
- "The Evolving Law on Cyber Terrorism: Dilemmas of International Law and Israeli Law", ICT Working Papers Series, April 2013.
- "Disruption of Satellite Transmissions *ad Bellum* and *in Bello*: Launching a New Paradigm of Convergence", Israel Law Review, Vol. 45 (3), November 2012.
- "Disruption of Satellite Transmissions under International Humanitarian Law: Are New Paradigms Needed?", Minerva / ICRC Conference on "New Technologies, Old Law", Jerusalem, November 2011.
- "International Law Aspects of Cyberspace", Reference Paper, Herzliya Conference, 2011.
- "The Coming Satellite Wars", Jerusalem Post, February 14, 2007.

#### *Telecommunications Law and Policy*

- "International Telecommunications Law", in R. Sabel (ed.), International Law, Sacher Institute for Legislative Research and Comparative Law, Faculty of Law, Hebrew University, 2003 and 2010.
- Sourcebook for course, Telecommunications Law in the Digital Information Age, Faculty of Law, Hebrew University, 2005-2006.
- "Developments in European Community Telecommunications Law: The Storm before the Calm", 1st Legal Colloquium Israel - Italy: Towards a New European Jus Commune, Sacher Institute, 1999.
- Telecommunications Law: Israeli and International Perspectives (editor), course sourcebook in Hebrew, Academon Press, Jerusalem, 1995, 1996, 1997.

#### *International Law and Policy*

- Whither Jerusalem? Proposals and Positions Concerning the Future of Jerusalem (with R. Lapidoth and M. Hirsch), Martinus Nijhoff, The Hague, 1995.
- Legal and Administrative Aspects of the Establishment of a Regional Water Authority, Armand Hammer Fund for Economic Development in the Middle East, Tel Aviv, 1995.
- A Comparison of Legal Regimes for the Sharing of International Water Resources, Truman Institute of Hebrew University and Armand Hammer Fund, Tel Aviv University, 1994.
- Elections in the West Bank and Gaza Strip in Accordance with the Peace Initiative of May 1989 (with M. Hirsch and under the direction of Prof. Ruth Lapidoth, in Hebrew), Jerusalem Institute, 1992.
- "The Status of the Gulf of Aqaba - Strait of Tiran Complex Under International Law", in The Gulf of Aqaba and International Environmental Law, Environmental Law Institute, Washington, D.C., 1992.
- Aspects of the Law of International Water Resources, Armand Hammer Institute for Economic Development in the Middle East, Tel-Aviv University, 1992.
- International Law and Institutions (edited with M. Pomerantz, H. Shachor-Landau, and A. Gershowitz), course sourcebook in Hebrew, Academon Press, Jerusalem, 1991.

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