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# THE THIRTY-FIRST ANNUAL WORKSHOPS IN INTERNATIONAL STUDIES

*Technology: Its Impact on Global Politics, Economics,  
Education & Culture*

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SPONSORED BY



The West Virginia Consortium  
for Faculty and Course Development  
in International Studies

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November 3-4, 2011

Lakeview Resort and Conference Center  
Morgantown, West Virginia

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## FACDIS ORGANIZATION

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**Director:** Jack L. Hammersmith, Professor of History, West Virginia University  
**FACDIS Founding Director** (1980-1997): Sophia Peterson, Professor Emerita  
of Political Science, West Virginia University  
**Assistant Director:** Gretchen Peterec  
**Administrative Secretary:** Sharon Nestor

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### *Institutional Representatives, Study Abroad Advisers, and Steering Committee (2011)*

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INSTITUTION	INSTITUTIONAL REPRESENTATIVE	STUDY ABROAD ADVISER
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Alderson-Broaddus College**	John Hicks***	
Bethany College	Harald Menz	Harald Menz
Bluefield State College	Michael Lilly	John White
Concord University	Carmen Durrani	Carmen Durrani
Davis & Elkins College**	David Turner	Barbara Fulks
Fairmont State University	Patricia Ryan	Patricia Ryan
Glenville State College	R. Michael Smith	C.E. Wood
Marshall University	Marybeth Beller	Maria Carmen Riddel
Potomac State College	Fred Jacoby	Fred Jacoby
Salem International University*	Larry Zbach	Larry Zbach
Shepherd University**	Roland Bergman	Linda Kinney
University of Charleston	Sarah Adams	Sarah Adams
West Liberty University*	Sheli Bernstein-Goff	Mohamed Youssef
WV Northern Comm. College	Frank DeCaria	Denny Roth
WV State University	James Natsis	James Natsis
West Virginia University	Michael Lastinger	Tara George-Jones
WVU - Institute of Technology	Jan Rezek	Jan Rezek
WVU at Parkersburg	Rebecca Phillips	Aaron Crites
West Virginia Wesleyan College	Kwame Agyenim-Boateng	Kwame Agyenim-Boateng
Wheeling Jesuit University*	John Poffenbarger	Dominick DeFilippis

\* Institutions whose Institutional Representative serves on the Steering Committee until November 30, 2011.

\*\* Institutions whose Institutional Representative serves on the Steering Committee until November 30, 2012.

\*\*\* On educational leave from Alderson-Broaddus College for the 2011-2012 academic year.

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### *Workshops Program Planning*

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#### **Central Program Office:**

Program Coordinator: Jack L. Hammersmith, Director, FACDIS  
Program Assistant: Gretchen Peterec, Assistant Director, FACDIS

#### **Workshop Chairpersons:**

Sheli Bernstein-Goff (West Liberty University)  
Nancy Nanney (West Virginia University at Parkersburg)  
James Siekmeier (West Virginia University)  
Robert Willgoos (Shepherd University)

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## Technology: Its Impact on Global Politics, Economics, Education & Culture

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### **Focusing on:**

- Exploring Interdisciplinarity – Promises and Challenges
  - Technology and Society in the 21<sup>st</sup> Century
  - Technology and Intelligence
  - New Media, New Wars, New Middle East
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State of West Virginia Higher Education Policy Commission  
and Participating Institutions in FACDIS



## PROGRAM

### THURSDAY, NOVEMBER 3

Guide to speakers/workshop leaders can be found at end of the program.

9:30 am-1:00 pm	<b>REGISTRATION: Library</b> <b>BOOK DISPLAY: University Hall</b> One level down (Floor 2) take the stairs near the restrooms/coat rack behind the bar and near the Library.
10:30 -11:15 am	<b>STEERING COMMITTEE MEETING: Ward Christopher Room</b>
11:45 am-1:00 pm	<b>LUNCH: University Hall</b> One level down (Floor 2) take the stairs near the restrooms/coat rack behind the bar and near the Library. Welcome: Jack Hammersmith, Director, FACDIS Reflections: Bruce C. Flack, Consultant, Higher Education Policy Commission
1:30-3:00 pm	<b>OPENING PANEL DISCUSSION WITH PRESENTERS: University Hall</b> <i>Exploring Interdisciplinarity – Promises and Challenges:</i> D. Linda Garcia, Georgetown University <i>Technology and Society in the 21<sup>st</sup> Century:</i> Deborah G. Johnson, University of Virginia <i>Technology and Intelligence:</i> Gerald K. Haines, University of Virginia <i>New Media, New Wars, New Middle East:</i> Helga Tawil-Souri, New York University
3:00-3:15 pm	<b>BREAK</b>
3:15-4:45 pm	<b>First Set of Concurrent Sessions</b>
Topic 1.	<b>Exploring Interdisciplinarity--Promises and Challenges</b> Today we live in an increasingly complex world in which we are ever more closely linked to people, organizations, and things through a vast web of interlocking networks. To harness this complexity for our benefit and to minimize potential problems associated with it, we need to adopt an interdisciplinary approach. Unfortunately, while many universities give lip service to the need for interdisciplinarity, most are not ideally structured to actively pursue it. This presentation will address this situation and discuss potential ways for improving it.
Room:	Seminar Rooms 1-2 (One level down [Floor 2] take the stairs near the restrooms/coat rack behind the bar and near the Library. At the bottom of stairs make a left down hall, left again.)
Consultant:	D. Linda Garcia, Georgetown University

Chairperson:  
Session I:

Sheli Bernstein-Goff (West Liberty University)

### ***Creativity: A Networked Process***

We typically think of creativity as an individual attribute, the product of special gifts and attributes. Research shows, however, that 'genius' in and of itself is not enough. Whether or not creative potential is realized depends on the positioning of individuals and groups in the complex set of networks that comprise the creativity environment. In this session we will examine these relationships, and discuss how the architecture of these networks is critical to producing creative outcomes.

### **Topic 2.**

Room:

### **Technology and Society in the 21st Century**

Seminar Rooms 3-4 (One level down [Floor 2] take the stairs near the restrooms/coat rack behind the bar and near the Library. At the bottom of stairs make a left down hall, left again.)

Consultant:  
Chairperson:

Deborah G. Johnson, University of Virginia  
Nancy Nanney (West Virginia University at Parkersburg)

Session I:

### ***Technology and the Future***

This session will use thinking about the future as a way to explore the relationship between technology and society. A major theme will be to critique technological determinism and argue for more nuanced views: technology shapes and is shaped by society; technology is sociotechnical systems; technology is value infused. With this as background, 21st century challenges can be examined with a focus on the role of technology in meeting these challenges.

### **Topic 3.**

### **Technology and Intelligence**

The twentieth century saw an explosion in communications technologies, with the telegraph, radio, TV, cell phones, and computers becoming popular around the world. With this development, intelligence agencies had to adapt to the rapidly changing scene. As new communication methods emerged, so too did the attacks on these innovative technologies. As countries and individuals began to encipher and encrypt their communications, intelligence agencies turned to science and technology to solve these increasingly complex security measures in order to discern intentions and capabilities of possible enemies. These sessions will address the introduction and development of machine



Room: Training Room 1 (lowest level; take elevator to Level 1)  
 Consultant: Gerald K. Haines, University of Virginia  
 Chairperson: James Siekmeier (West Virginia University)  
 Session I: ***The Wizard War: World War II and Signals Intelligence***  
 The session will look at US efforts against Japanese communications, especially the Japanese "Purple Machine" and Japanese Naval Code JN-25, the impact of this intelligence on the Battle of Midway and the decision by President Harry Truman to drop the Atomic Bomb on Japan. It will also examine the British-American Signal intelligence efforts in Europe against Nazi Germany and the key role Signal intelligence played against German communications, ULTRA and the enigma machine. The Germans believed that the Enigma enciphering machine was "A riddle within a puzzle, cloaked by a mystery that neither man nor machine would ever solve."

**Topic 4. New Media, New Wars, New Middle East**  
 Room: Training Room 4 (lowest level; take elevator to Level 1)  
 Consultant: Helga Tawil-Souri, New York University  
 Chairperson: Robert Willgoos (Shepherd University)  
 Session I: ***Cyber Mapping Palestine-Israel***  
 Central to the Palestinian-Israeli conflict is the struggle over land and geography. Related to this is the struggle of mapping: Where is Israel? Where is Palestine? How does one make sense of the ever-changing landscape? Mapping is as much about territorial control, as it is about nationalist ideologies, national memory, and new forms of resistance – but how does it impact changes on the ground? This session will address how mapping represents ideological, political, and territorial struggles and ask whether new mapping technologies and forms of archiving on the internet can function as a form of resistance.

**5:30-6:30 pm SOCIAL HOUR (cash bar): University Hall**  
 One level down (Floor 2) take the stairs near the restrooms/coat rack behind the bar and near the Library.

**6:30 pm BANQUET: University Hall**  
**EVENING ENTERTAINMENT:** Jordan and Its Culture

**FRIDAY, NOVEMBER 4**

**7:00 am INSTITUTIONAL REPRESENTATIVES**  
**BREAKFAST: Ward Christopher Room**

**7:30 am GENERAL BREAKFAST: University Hall**  
 One level down (Floor 2) take the stairs near the restrooms/coat rack behind the bar and near the Library.

**8:30-10:00 am Second Set of Concurrent Sessions. Participants stay in same track as Thursday afternoon (3:15-4:45 pm).**

**Topic 1. Exploring Interdisciplinarity--Promises and Challenges**

Room: Seminar Rooms 1-2 (One level down [Floor 2] take the stairs near the restrooms/coat rack behind the bar and near the Library. At the bottom of stairs make a left down hall, left again.)

Consultant: D. Linda Garcia, Georgetown University  
 Chairperson: Sheli Bernstein-Goff (West Liberty University)  
 Session II: ***Emergence: A Networked Phenomenon***

Who, today, doesn't feel somewhat out of control, given the declining economy, climate upheavals, the world situation, etc. What we fail to realize is that our individual behavior, and local interactions, give rise to collective outcomes and global patterns of interactions that are unpredictable and often unintended. That is to say, global patterns "emerge" in the context of multiple individual interactions. In this session we will examine the phenomenon of emergence, and consider how it might not only explain slime mold behavior, self-organization, the stock market, and many other phenomenal occurrences but also--for better or worse--unintended consequences.

**Topic 2. Technology and Society in the 21st Century**

Room: Seminar Rooms 3-4 (One level down [Floor 2] take the stairs near the restrooms/coat rack behind the bar and near the Library. At the bottom of stairs make a left down hall, left again.)

Consultant: Deborah G. Johnson, University of Virginia  
 Chairperson: Nancy Nanney (West Virginia University at Parkersburg)



Session II:

**Information Technology, Ethics and Policy**

Many human activities are now configured around computers and information technology. This raises questions about how the involvement of computers and information technology affects the quality and character of human relationships, human arrangements, and human behavior. What are we to make of virtuality, humanoid social robots, avatar attachment, friendship as instrumented via Facebook, knowledge produced via consensus (Wikipedia), and more? These new configurations of human activity can and should be examined from an ethical perspective.

**Topic 3.**

Room:

Consultant:

Chairperson:

Session II:

**Technology and Intelligence**

Training Room 1 (lowest level; take elevator to Level 1)

Gerald K. Haines, University of Virginia

James Siekmeier (West Virginia University)

***The Cold War: Gaining the Advantage in the Intelligence War***

This session will examine US intelligence efforts to gain vital information relating to Soviet intentions and capabilities. With the emergence of the Cold War, the Soviet Union and the states of Eastern Europe were effectively sealed off from traditional HUMINT intelligence methods. With very little intelligence on this perceived enemy, various US administrations turned to cutting edge scientific technologies to provide intelligence on these closed societies. This session will explore the development of aerial reconnaissance efforts, the U-2 and the SR-71 and the origins and evolution of satellite reconnaissance, especially imagery, CORONA, GAMBIT, HEXAGON, and CRYTAL. It will also look at the very special relationship formed during the Cold War between the CIA, the US Air Force, and private industry.

**Topic 4.**

Room:

Consultant:

Chairperson:

Session II:

**New Media, New Wars, New Middle East**

Training Room 4 (lowest level; take elevator to Level 1)

Helga Tawil-Souri, New York University

Robert Willgoos (Shepherd University)

***New Media Wars***

War-time propaganda is as long standing as war itself. With the rise of new technologies, such as satellite TV, handheld cameras, the internet, cellular phones, etc., do the landscapes of war and propaganda change because of

this? This session will address these questions by looking specifically at the role of new media in the Hizballah-Israel war of Summer 2006 and the Gaza War of 2008-2009. From those examples participants are welcome to draw parallels to other wars.

**10:00-10:30 am**

**COFFEE BREAK**

**10:30 am-12 noon**

**Third Set of Concurrent Sessions. Participants will stay in same track as Thursday afternoon (3:15 pm-4:45 pm) & Friday morning (8:30-10:00).**

**Topic 1.**

Room:

Consultant:

Chairperson:

Session III:

**Exploring Interdisciplinarity--Promises and Challenges**

Seminar Rooms 1-2 (One level down [Floor 2] take the stairs near the restrooms/coat rack behind the bar and near the Library. At the bottom of stairs make a left down hall, left again.)

D. Linda Garcia, Georgetown University

Sheli Bernstein-Goff (West Liberty University)

***Thinking in Terms of Networks***

Networks are an ideal unit of analysis for employing an interdisciplinary approach for understanding our complex world. We find networks wherever we look--in our cells, in our environment, in our relationships, on the internet, etc. As importantly, all networks share a number of interesting characteristics in common, allowing us to draw implications from one field to see what lessons they may provide for another. In this session we will explore the nature of networks, examine how we might study them, and discuss how they provide a fundamental framework for understanding and analyzing complex subjects.

**Topic 2.**

Room:

Consultant:

Chairperson:

Session III:

**Technology and Society in the 21st Century**

Seminar Rooms 3-4 (One level down [Floor 2] take the stairs near the restrooms/coat rack behind the bar and near the Library. At the bottom of stairs make a left down hall, left again.)

Deborah G. Johnson, University of Virginia

Nancy Nanney (West Virginia University at Parkersburg)

***Technology and Democracy***

What can democratic citizenship mean in an age of increasingly complicated technology and reliance on technical expertise? Building on the idea that technology



shapes and is shaped by society, it would seem that democracy shapes and is shaped by technology. In order to understand this relationship, we have to ask: What is democracy?, What is technology?, How do they mutually shape each other? Answering these questions contributes to understanding what citizens need to know about science and technology in order to participate in democratic decision making.

<b>Topic 3.</b>	<b>Technology and Intelligence</b>
Room:	Training Room 1 (lowest level; take elevator to Level 1)
Consultant:	Gerald K. Haines, University of Virginia
Chairperson:	James Siekmeier (West Virginia University)
Session III:	<b><i>The FBI Counterintelligence and VENONA</i></b> With 9/11 the United States turned its attention to terrorist activities and possible attacks on the homeland. Wiretapping and expanded NSA authorities emerged with the Patriot Act. With this came questions regarding the protection of American civil liberties and the authorities of government to promote national security concerns. This session will focus on FBI efforts in the counterintelligence field, the origins of its authorities and its major successes in dealing with the infiltration of the United States by subversive powers. It will carefully examine the VENONA program and the Soviet penetration of the United States and the rise of McCarthyism. Much was achieved without cutting edge technology.
<b>Topic 4.</b>	<b>New Media, New Wars, New Middle East</b>
Room:	Training Room 4 (lowest level; take elevator to Level 1)
Consultant:	Helga Tawil-Souri, New York University
Chairperson:	Robert Willgoos (Shepherd University)
Session III:	<b><i>From Streets to Tweets: The Arab Uprisings</i></b> Did Al-Jazeera lead to the fall of Ben Ali in Tunisia? Did Facebook lead to the fall of Mubarak in Egypt? Will Tweeting result in the fall of other Arab dictators? By contextualizing the general political-economic and media technology landscapes in the region, this session will critically assess the role of new media technologies in the Arab uprisings.
<b>Noon</b>	<b>WORKSHOPS ADJOURN</b>

LUNCHEON SPEAKER

BRUCE C. FLACK, Higher Education Policy Commission

Bruce C. Flack served as Director of Academic Affairs and Vice-Chancellor for State Colleges for the West Virginia Higher Education Policy Commission from 1989 to 2011. Dr. Flack has held several positions in West Virginia higher education. He previously served as professor of history, vice president for academic affairs, and interim president at Glenville State College, and Interim Chancellor for the Higher Education Policy Commission. Flack holds the B.A. degree from Otterbein College and the M.A. and Ph.D. degrees in history from Ohio State University. He has been active in numerous regional and national higher education initiatives, and has served on national councils of the College Board and the Higher Learning Commission of the North Central Association. He now serves as a consultant to the Higher Education Policy Commission and teaches part-time at Marietta College.

WORKSHOP LEADERS

D. LINDA GARCIA, Georgetown University

D. Linda Garcia is the former Director of the Communication, Culture and Technology Program at Georgetown University, and presently is a member of the faculty. Prior to assuming the Directorship of the 150+ student graduate program, in 1996, she was Project Director and Senior Associate at the U.S. Congress Office of Technology Assessment. There, she directed studies on electronic commerce, intellectual property rights, national and international telecommunications policy, standards development, and telecommunication and economic development. In 1997, Linda received her Doctorate from the Program in Social Science Informatics, which is part of the Psychology Department at the University of Amsterdam. She received her Masters in International Affairs from Columbia's School of International Affairs in 1965, and was ABD in Department of Political Science. In 1963, she received her Bachelor's Degree from Syracuse University where she majored in International Affairs. This year she is teaching Technology and Society, Networks and International Development, The Networked Economy and Networks and the Creative Process. Linda is Deputy Chairman of the Scientific Advisory Board (SAB) of the Institute of Technology Assessment (ITA), a part of the Austrian Academy of Sciences. She also serves on the Board of Directors of the Solstice Project, a non-profit organization dedicated to the study of the Anasazi people and their environment. In addition, Linda is a member of the advisory board of the Center for Social Media at American University, Associate Editor for the online *Journal for Virtual World Research*, and a member of the Board of Directors of the Center for Global Standards Analysis.



**GERALD K. HAINES, University of Virginia**

Originally from the Detroit area, Dr. Haines received his PhD in history from the University of Wisconsin in 1973. There, he worked on the history of United States-Latin American relations. After a brief teaching stint, he served for the majority of his career in the Central Intelligence Agency's History Office. He has served as Chief Historian of the CIA, and the National Reconnaissance Office Historian. He has also served in the Officer-in-Residence Program, in which qualified CIA officials teach at universities and colleges in the United States. In this program, he taught courses on the history of the Intelligence Community, and United States-Latin America relations, in the Corcoran Department of History at the University of Virginia (UVA). Dr. Haines has authored or co-authored a number of books. Dr. Haines's publications include *Americanization of Brazil: A Study of U.S. Cold War Diplomacy in the Third World, 1945-1954* (1989, re-issued by Rowman and Littlefield, 1997); *The National Reconnaissance Office: Its Origins, Creation, and Early Years*, published by the National Reconnaissance Office in 1996; and *CIA's Role in the Study of UFOs, 1947-1990: A Die-Hard Issue* (1997, reissued by the Center for the Study of Intelligence, 2004). Dr. Haines splits his time between Arlington and Charlottesville, VA, where he teaches history courses at UVA.

**DEBORAH G. JOHNSON, University of Virginia**

Deborah G. Johnson is the Anne Shirley Carter Olsson Professor of Applied Ethics and Chair of the Department of Science, Technology, and Society in the School of Engineering and Applied Sciences of the University of Virginia. Trained in philosophy, Johnson's scholarship focuses broadly on the connections between ethics and technology, especially the ethical issues arising in connection with computers and information technology. Two of her books were published in 2009: *The 4th Edition of Computer Ethics* (Pearson/Prentice Hall) and *Technology and Society: Engineering our Sociotechnical Future*, co-edited with J. Wetmore (MIT Press). As an interdisciplinary scholar, Johnson has published over fifty papers on a wide range of topics and in a variety of journals and edited volumes. Currently Johnson serves as co-editor of the *Journal Ethics and Information Technology* published by Springer, and she recently completed two terms on the Executive Board of the Association for Practical and Professional Ethics. Johnson received the John Barwise Prize from the American Philosophical Association in 2004; the Sterling Olmsted Award from the Liberal Education Division of the American Society for Engineering Education in 2001, and the ACM SIGCAS Making a Difference Award in 2000.

**HELGA TAWIL-SOURI, New York University**

Helga Tawil-Souri is an Assistant Professor in Media, Culture and Communication at New York University where she teaches courses on international development, media globalization, the Middle East, and the Palestinian-Israeli conflict. Her scholarship addresses contemporary cultural and technological transformations in the Arab world and especially Palestine-Israel and their relationship to political and spatial changes. Helga has lived in various parts of the Middle East, Europe, and North America, speaks six languages, and is also a photographer and documentary film-maker. Among her forthcoming publications are articles on *National Arab Politics in a Global Media Landscape* and *Digital Occupation: The Hi-Tech Enclosure of Gaza*. Her current book project is *Digital Occupation: Infrastructures as Borders in Palestine/Israel*. She also serves on the editorial board of the *Middle East Journal of Culture and Communication* and is reviews editor for that journal. In her life before academia, Helga worked as a researcher at a multinational media conglomerate, and ran her own internet consulting firm.