



West Virginia University

**DEPARTMENT OF
PUBLIC ADMINISTRATION**

INTERNATIONAL CONFERENCE

***REASSESSING THE TRUTH:
THE ROLE OF SCIENTIFIC AND TECH-
NOLOGICAL PROGRESS, THE BUSI-
NESS SECTOR, THE SUSTAINABLE
ECONOMIC AND COMMUNITY
DEVELOPMENT IN THE
ENERGY TRANSITION***

AT

***WEST VIRGINIA UNIVERSITY, JOHN ROCKEFELLER IV
SCHOOL OF POLICY AND POLITICS, DEPARTMENT OF
PUBLIC ADMINISTRATION, MORGANTOWN, WEST VIR-
GINIA, USA 5-6 NOVEMBER 2019***



5 NOVEMBER 2019 - H. 8:45 - 5:30
WEST VIRGINIA UNIVERSITY, MORGANTOWN, USA

08:45 - 11:00

1ST PANEL:

GLOBAL AND LOCAL RESPONSES TO FOSSIL FUELS FOR THE ENERGY TRANSITION

Chair and Discussant:

John Kilwein

(Chair of the Department of Political Sciences, West Virginia University, USA)

THE LAW AND POLICY IMPACTS CAUSED BY THE MANY TRUTHS OF CHEAP NATURAL GAS

*- **Joshua P. Fershee** (Creighton University School of Law, USA)*

EVOLVING LNG MARKET IN EUROPE: REGULATORY OBSTACLES AND OPPORTUNITIES -

***Mykola Iakovenko** (School of Law, University of Eastern Finland, Finland)*

*SHALE GAS DEVELOPMENT: A COMPARATIVE PERSPECTIVE BETWEEN THE UNITED STATES AND THE MEMBER STATES OF THE EUROPEAN UNION - **Paolo Davide Farah***

(Eberly College of Arts and Sciences, John Rockefeller IV School of Policy and Politics, Department of Public Administration, West Virginia University, USA)

FROM OBSCURITY TO ACTION: EFFORTS TO TACKLE FOSSIL FUEL SUBSIDIES IN THE

*WTO - **Henok Birhanu Asmelash** (New York University School of Law, USA)*

10:45 - Discussion

11:00 - 12:00 - Lunch break

12:00 - 12 30

WELCOMING REMARKS

Duncan Lorimer *(Associate Dean for Research, Eberly College of Arts and Science, West Virginia University, USA)*

Maja Holmes *(Chair of the Department of Public Administration, Eberly College of Arts and Sciences, John Rockefeller IV School of Policy and Politics, West Virginia University, USA)*

John Hu *(Statler Chair in Engineering for Natural Gas Utilization and Director of the Center for Innovation in Gas Research and Utilization CIGRU , West Virginia University)*

Paolo Davide Farah *(Conference Chair, Eberly College of Arts and Sciences, John Rockefeller IV School of Policy and Politics, Department of Public Administration, West Virginia University, USA)*

12:30 - 2:00

2ND PANEL:

SCIENCE, TECHNOLOGY AND ENERGY: PART I

Chair:

Christopher J. Russoniello

(Department of Geology and Geography, West Virginia University, USA)

GROUNDWATER AS A CONDUIT: THE DISCONNECT BETWEEN SCIENCE AND THE LAW -
Jesse J. Richardson, Jr. (College of Law, West Virginia University, USA)

CATALYTIC CONVERSION OF NATURAL GAS - **John Hu** (Statler College of Engineering and Mineral Resources, West Virginia University, USA)

FACING GAIA: THE GLOBAL IMBALANCE OF CARBON AND NITROGEN AS A PLANETARY BOUNDARY - **Brenden McNeil** (Department of Geology and Geography, West Virginia University, USA)

1:45 Discussants

Brenden McNeil and **Chris Russoniello** (Department of Geology and Geography, West Virginia University, USA)

2:00 - 2: 15 Break

2 15 - 3:45

3RD PANEL:

SCIENCE, TECHNOLOGY AND ENERGY: PART II

Chair and Discussant:

Timothy Carr

(Department of Geology and Geography, West Virginia University, USA)

COMMUNICATING THE COMPLEXITY OF SCIENCE AND TECHNOLOGY: WATER AND 4-METHYLCYCLOHEXANE METHANOL (MCHM) ELK RIVER SPILL IN WEST VIRGINIA -
Jennifer Gallagher (Department of Biology, West Virginia University, USA)

ELASTICITY OF SUBSTITUTION AND TECHNICAL EFFICIENCY: EVIDENCE FROM THE US ELECTRICITY GENERATION - **Levan Elbakidze** (Davis College of Agriculture, Natural Resources and Design, West Virginia University, USA)

THE IMPACT OF RECENT WEST VIRGINIA ENERGY TRENDS - **Timothy Carr** (Department of Geology and Geography, West Virginia University, USA)

4:00 - 5:30

4TH PANEL:

ENERGY MARKET AND ENERGY TRANSITION

Chair and Discussant:

Eric Bowen

(John Chambers College of Business and Economics, West Virginia University, USA)

RETURNS AND RISK PREMIA ON ENERGY OPTIONS - **Kris Jacobs** (University of Houston, USA) and **Bingxin Li** (John Chambers College of Business & Economics, West Virginia University, USA)

ENERGY TRANSITION: A LAWYER'S PERSPECTIVE - **Celso Ricardo Guedes** (Lawyer, Brazil)

5:15 - Discussion

6 NOVEMBER 2019 - H. 08:45 - 12:15

WEST VIRGINIA UNIVERSITY, MORGANTOWN, USA

08:45 - 10:45

5TH PANEL:

ENERGY CULTURE AND CLIMATE JUSTICE IN LOCAL COMMUNITIES

Chair and Discussant:

Paolo Davide Farah

(Department of Public Administration, West Virginia University, USA)

*CONTEXTUALIZATION AND PROPOSALS FOR ENSURING THE HUMAN RIGHT TO LIVE IN A CLEAN AND SAFE ENVIRONMENT - **Armando Alvares Garcia Junior** (Universidad Internacional de La Rioja, Spain)*

*ENERGY CULTURE AND VULNERABILITIES IN THE GLOBAL SOUTH: (RE-) THINKING PEACE IN SOUTH ASIA (INDIA & PAKISTAN) VIS-À-VIS PIPELINE POLITICS - **Muhammad Manzoor Elahi** (Government College University, Pakistan)*

*CONTEXTUALIZATION AND PROPOSALS FOR ENSURING THE HUMAN RIGHT TO LIVE IN A CLEAN AND SAFE ENVIRONMENT - **Matjaz Nahtigal** (Faculty of Management, University of Primorska, Slovenia) and **Isaac Stanley** (NESTA, UK)*

*SOUTH AFRICA ISSUES OF TRADE TO THE CONSERVATION OF INDIGENOUS KNOWLEDGE IN AFRICA - **Patrick Agejoh Ageh** (University of Pretoria, South Africa)*

10:30 - Discussion

10:45 - 11 : 00 Break

11:00 - 12:00

6TH PANEL:

EMERGING TECHNOLOGIES AND TECHNOLOGICAL PROGRESS

Chair and Discussant:

Paolo Davide Farah

(Department of Public Administration, West Virginia University, USA)

*REGULATORY SANDBOX AS A LAWTECH 4.0 TOLL IN THE CASE OF NANOTECH DISRUPTION - **Daniela Pellin** and **Wilson Engelmann** (Universidade do Vale do Rio dos Sinos, Brazil)*

*ENVIRONMENTAL PROTECTION IN AN ALGORITHMIC SOCIETY. SETTING THE SCENE FOR AN ARTIFICIAL INTELLIGENCE GREEN REVOLUTION. - **Maria Sole Continiello Neri** (Faculty of Law, National Research University Higher School of Economics, Russia)*

11:45 - Discussion

12:00 - Concluding Remarks

VENUES AND DATE

The international conference will take place at the premises of the West Virginia University, Department of Public Administration, Morgantown, USA, on 5–6 November 2019. For registration for the event please visit the following link: https://wvu.qualtrics.com/jfe/form/SV_bvaHML0jH2vMUv3

PUBLICATION OPPORTUNITIES

with



The organizers have publication plans for the presented papers. The precise format of publication will be discussed during the conference. Among the options already available at the time of the call for papers, the organizers envisage to publish a book collection in the [Routledge Publishing](#) (New-York/London) multidisciplinary gLAWcal book series on “[Transnational Law and Governance](#)” or a special issue/symposium in relevant peer-review SSCI or US journals. The presenters, who have previous commitments with other publication outlets or prefer different journals or publishers, will of course remain free to publish their papers independently from the conference symposium/special issue/book collection.

CONFERENCE CHAIR

Paolo Davide Farah (West Virginia University (WVU), Eberly College of Arts and Sciences, John Rockefeller IV School of Policy and Politics, Department of Public Administration)

CO-ORGANIZERS

The international conference is organized by the Department of Public Administration of West Virginia University, USA.

The event is in collaboration with West Virginia University, Center for Innovation in Gas Research and Utilization (CIGRU), the American Society of International Law (ASIL) Interest Group on International Environmental Law and Interest Group on Intellectual Property Law, and gLAWcal – Global Law Initiatives for Sustainable Development, UK.



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