

Editorial: Volume 11, Issue 1.

Gary W. Kerr

Editor-in-Chief, *Journal of Science Policy & Governance*
jofspg@gmail.com

I am delighted to present the latest edition of the *Journal of Science Policy & Governance* (JSPG). JSPG is a 501-(c)(3), non-partisan, open-source non-profit organization that serves as a platform for students, policy fellows and young professionals of all academic backgrounds to connect and engage with science and technology policy issues. JSPG seeks to bridge the worlds of science, society and politics by bridging science policy issues and debate into the academic environment via a peer-reviewed, free digital journal.

In this edition, recent graduates and current students – both undergraduate and postgraduate – across a variety of academic disciplines, and from across the world, address some of the most topical issues in science & technology policy.

Adediran, Nycz and Love from the Oakridge National Laboratory provide an in-depth review of the scientific and policy issues associated with additive manufacturing. In this article, the authors provide recommendations for curbing risks associated with material science and engineering in additive manufacturing. In a second article from New York University, **Gladson & Cromar** identify opportunities for improved environmental health science communication in the popular press.

In a collaborative article between Columbia University and New York University, **Chatterjee, Rabbani & Sandford** discuss antibacterial stewardship in India and in this policy memo the authors provide actionable recommendations to complement the Indian Ministry of Health and Family Welfare's recently published National Action Plan.

This edition also features a policy memo from **Mina Hanna**, of Synopsys Inc., Austin, who has written an article for The Hon. John Delaney, Chair of the House Artificial Intelligence Caucus for the 115th Congress on the case for adopting autonomous vehicles technology and supporting research in Artificial Intelligence.

From the world of robotics and artificial intelligence, **Bryan McMahon** of Duke University proposes actions for the US Government to undertake to address the coming disruptions posed by robotics and artificial intelligence.

The case for US domestic rocket engine procurement is put forward by **Chris Beauregard** of George Washington University's Space Policy Institute.

Beauregard describes how the successful implementation of a domestic engine transition will require cooperation between public and private entities in an effort to balance diplomatic relations with national security concerns.

From the University of Birmingham in the UK, an article by **James Walker** addresses why "heat isn't the hot topic" in energy system decarbonization. This article examines some of the key challenges impeding heat system decarbonization and makes clear the imperative need for action to ensure that heating is not left behind in the transition to renewable energy.

On the theme of renewable energy, **Tomas Green** of the University of Kansas examines the political window that exists under the Trump Administration for targeted investment in biofuels and makes recommendations for where the US Department of Energy should focus their efforts.

In a research article by **David Harary** of the University of Toronto, he presents data on how Congressional staffers use of environmental research on Capitol Hill. He finds that although policymakers believe they are able to make reasoned decisions despite not being highly engaged with high-quality research. He finds that policymakers have a poor understanding of environmental research and evidence is unlikely to impact their decision-making.

In an article by **Rachel Wallace** of the University of Michigan, scientific advances and the end of abortion rights are examined under the 14-day rule. In this thought-provoking article, Wallace argues that a woman's legal right to abortion ceases to exist when technology has sufficiently advanced to the point that laboratory-grown embryos are as viable as naturally conceived full-term infants.

Finally, I want to take this opportunity to congratulate all of our authors on the publication of their articles. I am thankful to the editors and staff at JSPG for all of their hard work in bringing about this latest edition. We are extremely thankful for the generosity of our supporters and sponsors, without whom this journal would not exist. For students and recent graduates who are interested in submitting an article for publication, please do check out our website for guidance, and do interact with us via our social media channels – we would love to hear from you! I hope you enjoy reading this issue.