

**NIST Special Publication 1270**

# **Towards a Standard for Identifying and Managing Bias in Artificial Intelligence**

Reva Schwartz  
Apostol Vassilev  
Kristen Greene  
Lori Perine  
Andrew Burt  
Patrick Hall

This publication is available free of charge from:  
<https://doi.org/10.6028/NIST.SP.1270>

**NIST**  
**National Institute of**  
**Standards and Technology**  
U.S. Department of Commerce

# NIST Special Publication 1270

## Towards a Standard for Identifying and Managing Bias in Artificial Intelligence

Reva Schwartz

*National Institute of Standards and Technology  
Information Technology Laboratory*

Apostol Vassilev

*National Institute of Standards and Technology  
Information Technology Laboratory  
Computer Security Division*

Kristen Greene

*National Institute of Standards and Technology  
Information Technology Laboratory  
Information Access Division*

Lori Perine

*National Institute of Standards and Technology  
Information Technology Laboratory  
& The University of Maryland*

Andrew Burt

Patrick Hall

*BNH.AI*

This publication is available free of charge from:  
<https://doi.org/10.6028/NIST.SP.1270>

March 2022



U.S. Department of Commerce  
Gina M. Raimondo, Secretary

National Institute of Standards and Technology  
*James K. Olthoff, Performing the Non-Exclusive Functions and Duties of the Under Secretary of Commerce  
for Standards and Technology & Director, National Institute of Standards and Technology*

Certain commercial entities, equipment, or materials may be identified in this document in order to describe an experimental procedure or concept adequately. Such identification is not intended to imply recommendation or endorsement by the National Institute of Standards and Technology, nor is it intended to imply that the entities, materials, or equipment are necessarily the best available for the purpose.

**National Institute of Standards and Technology Special Publication 1270**  
**Natl. Inst. Stand. Technol. Spec. Publ. 1270, 86 pages (March 2022)**  
**CODEN: NSPUE2**

**This publication is available free of charge from:**  
**<https://doi.org/10.6028/NIST.SP.1270>**

Also available as part of the eCourse

[Responsible AI: Ethical Considerations and Building Trust through Transparency, Fairness, Accountability](#)

First appeared as part of the conference materials for the

35<sup>th</sup> Annual Technology Law Conference session

"Responsible AI: Ethical Considerations and Building Trust through Transparency, Fairness, Accountability"