

Candidate for President-Elect

Jackie MacDonald Gibson, PhD

Professor and Chair, Department of Environmental and Occupational Health
Indiana University, Bloomington

Jackie MacDonald Gibson has been an active SRA member since she was a first-year doctoral student at Carnegie Mellon University in 2003. SRA is her main professional society. She is drawn to its highly multidisciplinary membership and the opportunity it affords to exchange risk analysis knowledge across research fields.

Since joining SRA, Jackie has not missed an annual meeting. She and her students have given 23 presentations at these meetings and at the World Congress on Risk. Her students have won SRA travel and other merit awards. She has received two best-paper awards from *Risk Analysis* (in 2010 and 2015).

Jackie has served the society in many different roles. She has been an SRA Council member since 2017. She chairs the Workshops at the Annual Meeting Committee and in this capacity has supported the Secretariat in launching a new planning process to improve the financial viability of workshops and returns to SRA. With Terje Aven, she serves on the SRA's Strategic Committee, organized to implement a new SRA Strategic Plan released in 2018. She served on the SRA Membership Committee from 2015 to 2017. During this time, she helped develop a concept plan for an SRA professional certification program. This plan helped lay the foundation for SRA Council approval of a special project to create a blueprint for such a certification. She also is an active member of the SRA Dose-Response Specialty Group. In this role, she has coordinated selection of student travel awardees for this specialty group.

Like the SRA's membership, Jackie's research is multidisciplinary. She has contributed to the science and practice of risk analysis in multiple domains, ranging from pioneering the application of new spatial statistical and artificial intelligence techniques to complex risk problems to conducting empirical studies of risk perception and risk communication in collaboration with leaders in the field. Her research is motivated by using risk analysis to inform important problems in environmental and health policy. Prior projects have led to policy changes in the U.S. and abroad. For example, her project to quantify environmental risks to public health in the United Arab Emirates (UAE) led to the expansion of the UAE's air quality and marine water quality networks, along with the establishment of an occupational safety and health program. Her research spotlighting the health effects of racial disparities in access to municipal water and sanitation services in North Carolina raised the political support needed to fund a municipal water service extension into a historically African American community where private wells had run dry and septic systems were overflowing.

Jackie's prior leadership experience includes serving as Associate Director of the National Research Council's Water Science and Technology Board, chairing the Health Impact Assessment Work Group for the North Carolina Director of Public Health, and Co-Chairing the Research Triangle Environmental Health Collaborative. She currently chairs the Department of Environmental and Occupational Health at Indiana University, Bloomington.

Jackie has a dual PhD in Engineering and Public Policy and in Civil and Environmental Engineering from Carnegie Mellon University. She has a master's degree in Civil and Environmental Engineering from the University of Illinois at Urbana-Champaign and a bachelor's degree in mathematics from Bryn Mawr College.

Statement of Goals

SRA has made remarkable achievements since its founding in 1980. It is the leading society for risk analysis researchers and practitioners worldwide, with regional organizations on six continents, the leading journal in the field, a vibrant Annual Meeting, multiple regional conferences, the World Congress on Risk, and a loyal membership, including many who have sustained their memberships over decades. My overall objective is to build on this outstanding foundation by boosting SRA's visibility and membership. I will prioritize three goals:

Goal 1: Organize SRA's most widely publicized and well-attended Annual Meeting: If elected, I will develop and implement a plan for the 2021 Annual Meeting that seeks to maximize attendance by focusing on a salient theme and by disseminating meeting announcements as widely as possible. One possible theme is application of risk analysis to combat pandemic disease. I will actively solicit ideas for other themes and survey the membership to gauge interest in each. I will also solicit new ideas for disseminating Annual Meeting promotional materials as broadly as possible, with the goal of recruiting new members through meeting participation. For example, one idea to present to Council for consideration is a "bring-a-new-member challenge," in which current members received a discount on registration for every new member they refer.

Goal 2: Implement at least three priority initiatives in SRA's 2018 Strategic Plan, emphasizing those to improve visibility and membership: Recent past SRA presidents and councils have invested substantial time in developing a new SRA strategic plan, published in 2018. If elected, I will ensure that this plan is implemented. In particular, I will work toward implementing at least three priority action items from this plan. For example, one priority item is to "develop knowledge related to teaching children and youths about risk and risk analysis." SRA has funded a special project to develop such a program, and I will work with the leaders of this project to amplify and scale its results. Another priority is to institutionalize the World Congress on Risk. I will seek to follow up on this action by organizing a task force of past World Congress organizers to establish a regular process for organizing these critical events. A third priority is to

Goal 3: Identify new ideas to increase the impact and visibility of SRA, and incorporate them into SRA's future plans: The 2018 Strategic Plan is envisioned as a dynamic document. Toward this end, I will work with Council to incorporate new ideas into the plan. This may include adopting ideas from an external review of SRA's functioning by an individual or organization with expertise in professional association management.

In summary, if elected, I will prioritize following through on initiatives to amplify the impact and visibility of SRA. During today's unprecedented times, the tools of risk analysis are more valuable than ever. By enhancing SRA's already strong influence on the field, we can develop new opportunities to apply our collective skills and develop new knowledge to improve the human condition.

