



NSF Convergence Accelerator's 2021 Cohort Phase 1 Award

Project Title

Analysis and Response for Trust Tool (ARTT): Expert-Informed Resources for Individuals and Online Communities to Address Vaccine Hesitancy and Misinformation

Awardee

Hacks/Hackers

Award/Contract

49100421C0037

Award Contract Type

R&D

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NSF Funded Program

NSF's Convergence Accelerator

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PROJECT ABSTRACT

Minimizing misinformation must happen locally and on a smaller scale. Led by Hacks/Hackers, the project team will develop a software tool to help individuals and community moderators to analyze information quality, including misinformation, and to better respond to community situations by presenting practical interventions that build trust. This multidisciplinary effort brings together research fields such as computer science, social science, media literacy, conflict resolution, and psychology. Practitioners focusing on health-related communications in journalism, vaccine safety, and Wikipedia are also involved. Though designed to have an immediate impact on community exchanges regarding vaccine safety, the project will produce outputs and knowledge that will be transferable to multiple information domains.

To ensure the solution's success the team will develop easy-to-understand taxonomies and datasets that encapsulate the expert analysis of credible information. Secondly, the team will identify legitimate and effective trust-building interventions for mediation, including correction, into a catalog of response possibilities. The gathered outputs will then develop the software tool to provide resources to local actors in analyzing and responding to misinformation and trustworthy information.

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Using a multidisciplinary approach, use-inspired research, and innovation processes, the National Science Foundation's Convergence Accelerator provides an opportunity to accelerate solutions into practical application and to provide a positive societal impact.