

To: Faculty Researchers
From: Mujdat Cetin – Center Director
Subject: Collaborative Research (CR) Request for Proposals (RFP)
Date: August 19, 2024
Deadline: September 15, 2024

Research proposals requested: The University of Rochester Center of Excellence in Data Science (“Center”) is a NYSTAR (Empire State Development Division of Science, Technology and Innovation) designated Center of Excellence (CoE) funded by New York (NY) State. The Center’s goal is to stimulate economic growth in NY State by promoting technology transfer from our universities to companies operating in NY. Accordingly, proposed projects must involve a NY industry partner that is actively engaged with the project, providing assessment of economic impact of the project, and possibly financially co-sponsoring the research (although this is not a requirement). **The deadline for submission of proposals is September 15, 2024.**

Who may apply: The Center’s Collaborative Research Funding Program is open to Principal Investigators (PIs) from the University of Rochester and other universities in New York. Persons eligible to be PIs should be holding full time faculty positions or full-time positions enjoying similar responsibilities, rights, and privileges. Note that only University PIs are eligible for funding. The Center does not award funds to companies.

Types of projects considered: Center support spans a broad range of data science related research areas and technologies including but not limited to: artificial intelligence (AI), machine learning, data mining, and statistical and computational methods. Applications and domains of interest include, but are not limited to: health analytics and digital health; imaging and image understanding; optics; computer/human vision; life sciences and biomedicine; human-data-system interfaces (including human-computer interaction, augmented and virtual reality, robotics); complex systems and network data science; economics and business data analytics; AI-augmented learning and work; security and defense. All proposals are required to have an industry partner that will document the economic benefits associated with the CoE project.

Award specifics: Equipment purchased is considered the property of the Center. F&A on Center awarded funds is restricted to 15% on payroll expenses only. The maximum budget allowed in this solicitation is \$60,000 per project. Successful projects can receive further funding for extensions of the original work in future years. This requires the submission of a new proposal in future funding cycles.

Selection of proposals for awards: Proposals will be reviewed by anonymous reviewers. Award decisions will be made based on the recommendations of the reviewers and the availability of funds. The criteria for evaluation will be:

- a. Scientific and technical merit (50%)
- b. Potential economic impact on the state of New York (50%)
- c. Demonstrated technical accomplishments and economic impact (for continuing projects)
- d. Consistency with the technical scope and interests of the Center

Scientific and technical merit: The scientific and technical quality of the proposed fundamental or applied research or development activities is key. The proposal should clearly and succinctly state the problem, objectives, technical contributions, methodology, work plan and deliverables of the project.

Economic impact: Ranking will be strongly dependent on the potential of the proposed project to generate economic impact in one or more categories including new or retained jobs, increased revenues, cost savings, external fund acquisition, and capital investments. Note that economic impact is equal in weight to scientific and technical merit. PIs are strongly encouraged to work closely with industrial partners on the Economic Impact portion of their proposals to provide realistic quantitative estimates of the expected impact. Industrial partners will be asked for a report on economic impact for at least five years. This period includes the time period when the research is being done and the years immediately following the conclusion of the research.

Proposal submission: All proposals must be submitted by email as attachments using the forms on the Center website at <https://www.rochester.edu/coe/work-with-us/#/industry>. Proposals should be sent to Margaret Urzetta at margaret.urzetta@rochester.edu.

Questions: Questions about any aspect of the Center's Collaborative Research Funding Program may be addressed to Center Director, Mujdat Cetin, at mujdat.cetin@rochester.edu.