



The Digital Manufacturing Institute

MxD REQUEST FOR PROPOSAL

AI-Enabled Computer Vision for Real-Time Adaptive Quality Inspection

The project being funded by MxD seeks to reduce barriers to adoption of AI-enabled computer vision technologies for quality inspection. The gaps this project aims to address are 1) High Costs of Inspection Variability; 2) Merging of AI Expertise with Manufacturing Domain Knowledge; 3) Technology Extensibility.

Deadline for Joining Teaming Interest List*	Thursday, March 26, 2020, 5:00 p.m. CT
Deadline for Pitch Session Signup	Thursday, March 26, 2020, 5:00 p.m. CT
Pitch Session**	Thursday, April 9, 2020, 10:00AM CT
Proposals Due	Thursday, May 14, 2020, 5:00 p.m. CT
Anticipated MxD Funding	\$500,000.00 - \$700,000.00
Period of Performance	8-12 months
Collaboration***	MxD Tier 1 or Tier 2 manufacturing Member

*Email your contact info to projects@mxdusa.org to join the team interest list, including

Subject: MxD-XX-XX RFP Teaming

[Organization Name]

[Name of Contact]

[Email address of contact]

[1 sentence description of expected contributions to Offeror Proposal]

I agree to have the information herein disseminated to other organizations that have indicated interest in teaming for MxD's RFP XX-XX.

**Pitch Session is for individuals and organizations that have already begun to form teams to share a snapshot of their solution and receive preliminary feedback from the MxD community. If you want to share a pitch, you must email projects@mxdusa.org. Individuals who wish to attend must [register online](#).

***Each team must include participation by a current or potential [MxD Tier 1 or Tier 2 manufacturing Member](#) to drive use case and operational requirements. If needed, Prof. Jian Cao will help you to team up. Of course, you may reach them yourself as well.

Please note that all projects must address real manufacturing problems, leverage new or existing AI and computer vision technologies.

More info: <https://mxdusa.org/projects/ai-enabled-computer-vision-for-real-time-adaptive-quality-inspection/>

Contact: Emily Jerger Emily.jerger@mxdusa.org