

# OMIC R&D TECHNOLOGY BOARD

## Gear Performance Validation Facility Phase 1

### Request for Proposals

#### 1.0 Project Information

- **Project Title:** Development of Gear Performance Validation Facility Phase 1.
- **Project Type: Joint General Project**
- **Project Description:** In collaboration with OMIC partners this project will develop a detailed proposal for a facility to verify the performance of advanced manufactured gears relative to conventionally manufactured gears. In addition to traditional test methods, (e.g. Single Tooth Bending, Rolling Contact Fatigue, Power Circulating), Environmental conditions will also be considered, (temperature, corrosion ...). Lubrication performance capability will also be an outcome.
- **Project Outcomes:** A written report with detail drawings and cost estimates for building a Gear Performance Evaluation Facility to support the OMIC goal and road map of becoming a gear manufacturing center of excellence.
- **Project Duration:** *9 months or less*

#### 2.0 General Information for All Proposals

- **Eligibility:** All faculty at OMIC R&D Research institutions and OMIC R&D technical staff.
- **Performance Period:** The Performance Period of the proposed work must be appropriate for the content given above in the Project Information sections. Requests for excessive or unjustified performance periods can be reason for proposal rejection by the OMIC Technology Board.
- **Award Amounts:** The funding requested must be appropriate for the content given above in the Project Information sections and consistent with any limitations given there. In all cases requested funds must be fully justified. Requests for excessive or unjustified funding can be reason for proposal rejection by the OMIC Technology Board.
- **Proposal Format, Content and Details:** All proposals must strictly follow the template given below and include all required sections
- **Submission Deadlines: Monday June 3, 2019**
- **How to Submit:** Send proposals by email to the OMIC R&D Project Manager, Ally Imbody <[alicia.imbody@oit.edu](mailto:alicia.imbody@oit.edu)>
- **Proposal Review Process:** Proposals will be reviewed and award decisions made by the OMIC Technical Advisory Board. The Board encourages collaboration between OMIC's university research partners in response to this RFP when collaboration will provide the best value for achieving the desired Project Outcomes. Evaluations will be based on the following criteria:
  - Soundness of the proposed methodology
  - Demonstrated subject-matter expertise of proposed staff
  - Cost/reasonableness of proposed budget

- Timeline/adherence to proposed schedule
- Past performance (if applicable)

Technology Board members will evaluate each eligible proposal submitted using a five-point scale where: 1- poor, 2-deficient, 3-acceptable, 4-superior, 5-outstanding.

Evaluators will assign a default score of 3 for Past Performance if no information is available. All scores will be averaged by the Tech Board chair and a decision made based on the highest overall score.

- **Informational Contact:** Questions are to be directed to the OMIC Project Manager, Ally Imbody <[alicia.imbody@oit.edu](mailto:alicia.imbody@oit.edu)> by **Monday, April 29, 2019**. Consolidated questions will be sent to the Technology Board Chair and responses will be provided to all research partners by **Monday, May 6, 2019**.
- **Performance Requirements:** The PI and institution awarded the project will be expected to progress the work expeditiously to meet all of the progress milestones shown in their proposed schedule (see section two below).
- **Project Termination:** The Tech Board reserves the right to cancel the project at any time.