

Industry Forum:

Monitoring, Diagnostics, and Prognostics for Manufacturing Operations

Moving from “React and Repair” to “Predict and Prevent”

May 7 – 11, 2018 @ NIST, Gaithersburg, MD

Thank you for your interest in participating in the first ever “**Industry Forum: Monitoring, Diagnostics, and Prognostics for Manufacturing Operations.**” If you would like to be considered for a presentation (20-25 minute presentation followed by Q&A) or a panel (5-8 minute presentation plus panel discussion), please complete the below information email the completed pdf to brian.weiss@nist.gov by **January 10th, 2018.**

Submitters will be notified of their presentation/panel acceptance status no later than January 15th, 2018. All presentation submissions that are not accepted as a presentation will automatically be considered for a panel spot. Please adhere to the submission guidance below. Participation as a presenter or panelist is NOT required to attend the forum. All questions should be directed to brian.weiss@nist.gov

Abstract Submission Guidance

Abstracts should be no more than 500 words and provide sufficient background so the organizing committee may determine both the perspective and the value that the presentation or panel participation will bring to the forum. All presenters should assume their talks will last for 20-25 minutes. Some abstracts may be selected for keynote presentations which could range from 30-45 minutes.

Participants should select one to four *Topics of Interest* (noted below) that their presentation or panel perspective is best represented. Participants should also indicate if they would like to be considered for a presentation, a panel, or for both.

NAME & TITLE:

ORGANIZATION/AFFILIATION:

ORGANIZATION CLASSIFICATION:

EMAIL:

PHONE:

PARTICIPANT PREFERENCE:

PARTICIPANT SUBMISSION FORM

ABSTRACT (500 words or less)

PARTICIPANT BIOGRAPHY (500 words or less)

Please number up to four choices from 1 (Most Relevant) to 4 (Less Relevant) Topic Area Choices for your presentation or panel submission from the below list.

Overall case studies and perspectives – *Large Manufacturers*

Overall case studies and perspectives – *Small and Medium-sized Manufacturers*

Research case studies – *Academia partnering with Manufacturers to Develop and Test Innovative Technologies or Methods*

Design, integration, and deployment case studies – *Technology Developers and Integrators*

Emerging Technologies and Solutions – *Technology Developers and Integrators*

Standards Success Stories – *All*

Standards Needs, Wants, and Challenges – *All*

Focus Area – Techniques to assess risk within a factory to identify areas of PHM

Focus Area – Techniques to determine what data/information needs to be captured

Focus Area – Techniques to determine how best to capture desired data

Focus Area – Techniques to organize and store data in preparation for diagnostic and prognostic analysis

Focus Area – Existing diagnostic and prognostic analysis techniques for manufacturing operations

Focus Area – V&V practices for monitoring, diagnostic, and prognostic solutions

Focus Area – Techniques to determine flow of data and routing of intelligence (after data has been analyzed to promote effective decision-making)

Focus Area – Visualization Tools for monitoring, diagnostics, and prognostics

NOTE: Selected abstracts and corresponding bios will be used in conference materials which may include printed materials and the event website.