

REMADE INSTITUTE INDUSTRY BRIEFING DAY

TUESDAY, JULY 12, 2016

PURDUE TECHNOLOGY CENTER - INDIANAPOLIS, IN



BUSINESS BENEFITS:

- Reduced material and energy costs
- New products and markets for remanufactured goods
- Less material waste and scrap handling
- Improved material utilization across product lifecycle

TECHNICAL FOCUS AREAS:

- Information Collection and Standardization
- Rapid Gathering, Inspection, and Sorting
- Separating Materials and Removal of Trace Contaminants
- Robust and Cost-Effective Remanufacturing and Recycling Methods
- Design Tools for Materials Utilization Across the Lifecycle

LIFECYCLE PHASES:

- Efficient Material Use during Manufacturing
- Waste Stream Separation and Material / Chemical Recovery
- End-of-Life (EOL) Material Reuse / Recovery
- Design for Value Recovery (Reuse / Recycling / Remanufacturing)

MATURITY LEVELS (TRLs):

- Produce technology in lab environment
- Prototype components in production relevant environment
- Prototype system in production relevant environment
- Systems and components in production representative environment

INDUSTRY-DRIVEN INNOVATION

The U.S. Department of Energy has released a Funding Opportunity Announcement (FOA) to launch a **Clean Energy Manufacturing Innovation Institute for Reducing Embodied-energy and Decreasing Emissions (REMADE) in Materials Manufacturing.**

The institute will follow the national model of being solely focused on industry needs: led by industry experts, conducting industry-defined projects, and developing industry-driven workforce development programs.

Purdue University is collaborating with leading U.S. manufacturers, universities, and national laboratories to create an independent (non-profit) institute focused on reducing the energy consumption - and costs - associated with materials production and processing.

The Industry Day briefing agenda will provide manufacturers with detailed information on the REMADE institute's technology focus areas, business benefits, planned workforce development projects and also opportunities to provide input into the proposal development efforts.

REMADE projects will enable manufacturers to assemble teams or collaborate on industry-driven projects whose deliverables are predefined to meet immediate and near-term industry needs in the technical focus areas and lifecycle phases.

Institute member benefits, which will be finalized by the industry-led committees, will include seats on the executive board and technical advisory committees, access to shared infrastructure (testbeds, research equipment, etc.), use rights for institute generated IP, ability to leverage membership fees with federal, university, and other matching funding, and access to workforce training programs.

Please visit

<http://remade.partners.purdue.edu>
to register and for more information.

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