**NAME OF THE CENTER**
**Center for Organizational Readiness towards Enterprise 4.0 (CORE4.0)**

**UNIVERSITY**
**University of Louisville**

**CENTER CO-DIRECTORS**
**Dr. Lihui Bai**
**Dr. Faisal Aqlan**

**ESTABLISHED 2022**

**CENTER ACTIVITIES**
- **Applied Research**
- **Industry Assessment**
- **Technical Assistance**
- **Workforce Training**

**COLLABORATORS**
**Western Kentucky University (WKU)**
**Louisville Healthcare CEO Council**

**CLIENTS**
- **Manufacturing, Logistics, and Healthcare Industries**
- **Students and Faculty**
- **Communities and Institutions of Higher Education**

**CONTACT INFO**
**Dr. Lihui Bai**
**lihui.bai@louisville.edu**

**Dr. Faisal Aqlan**
**faisal.aqlan@louisville.edu**

**WEBSITE**
**louisville.edu/research**

# UNIVERSITY OF LOUISVILLE EDA UNIVERSITY CENTER

The University of Louisville EDA University Center aims to explore the dimensions of enterprise 4.0 (E4.0) and ways of introducing it to local and regional industries. The Center for Organizational Readiness towards Enterprise 4.0 (CORE4.0) provides systematic methods to assess the readiness of enterprises to adapt to E4.0, identify skill gaps and technological needs, and provide customized roadmap, training and technical assistance. The outcome will inform enterprises on how to implement new initiatives related to E4.0, which enhances the smartness, connectedness, and responsiveness of their systems to grow and compete in today's fast transitioning economy.

## The University of Louisville EDA University Center's support and services include:

### Applied Research
CORE4.0 conducts research on applied organizational transformation with an emphasis on People, Process, and Technology (PPT). The goal is to understand and optimize the organizational transformation process and identify the significant factors that contribute to successful transformation.

### Industry Assessment
CORE4.0 develops assessment programs on E4.0 to help organizations achieve high quality, affordable, and engineering-based digital solutions. The Center works with companies in manufacturing, logistics, and healthcare to assess their needs and business transformation goals. This free service includes site visits, sharing best practices from comparable companies, and providing a data-driven customized maturity index for E4.0.

### Technical Assistance
Technical assistance is provided to local and regional industries to identify opportunities for improvement and develop a roadmap for business planning. CORE4.0 helps industries translate operational issues into known and fixed cost digital solutions to streamline and accelerate intraoperability. The Center fosters the existing collaborations and partnerships with regional organizations and academic units.

### Workforce Training
CORE4.0 prepares workforce for E4.0 through customized training to support the regional and national manufacturing, logistics, and healthcare capabilities, competencies, and employment. Training courses and certification programs as well as remedial coursework will be provided by the Center to develop the workforce skills needed for successful transformation towards E4.0.

UNIVERSITY OF
**LOUISVILLE.**