



National Center for Welding Education and Training



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About



The National Center for Welding Education and Training (dba Weld-Ed) is housed at Lorain County Community College (LCCC) in Elyria, Ohio. The Center is a collaboration of community colleges, universities, workforce agencies, and business and industry members representing welding and materials joining industry perspectives. The Center's primary mission is to expand the number of higher skilled welding technicians while at the same time addressing the overall welding and materials joining needs of a multifaceted industry.

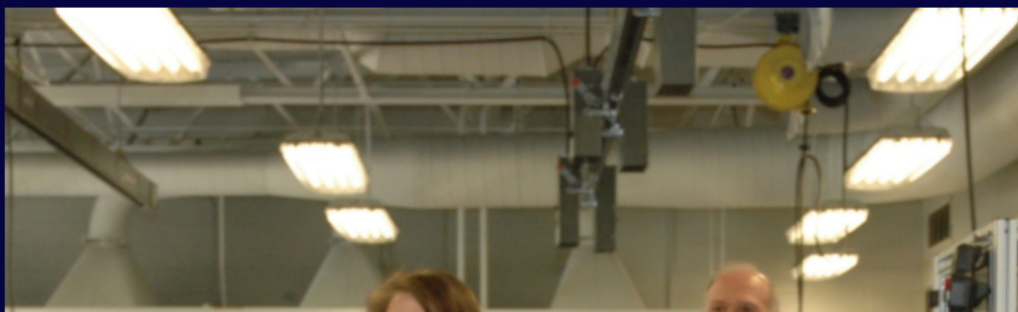
Affiliates



Industry Support



Memoriam





Focus

The Center will enhance education and training programs, recruitment, and services that are available to current and future employees in the field. The Center conducts market-driven research across many welding-related sectors and uses forward-looking data to identify the current and future needs of the industry. The Weld-Ed Center uses this data to improve welding education programs, address recruitment and retention issues, expand workforce diversity, enhance existing curriculum, and advance laboratory science and application.

Management

The Center is managed by a professional staff, supported by individuals representing various institutional members who serve in

a variety of leadership roles including: applied research, curriculum and learning resources development, hosting educational seminars, and as advisors/consultants.

Funding

The Center was initially funded by the National Science Foundation (NSF). A sustainability plan is underway to ensure the Center's future operations. Future funding will come from a variety of sources including business and industry, government agencies, foundations and fees for products and services.

Evaluation

The Center's work plan is evaluated annually. The Public Services Institute (PSI) at LCCC conducts the internal evaluation. The external evaluation is conducted by The National Coalition of Advanced Technology Centers (NCATC).

The Weld-Ed Mission

Vision

Weld-Ed is a national partnership of colleges, universities, professional societies, government, and private industry committed to increasing the number and quality of welding and materials joining technicians to meet industry demand.

Mission

Weld-Ed strives to improve the quality of education and training services to address the hiring and professional development needs of the welding industry

of the welding industry.

Center Goals

The Center's Goals are to:

- Increase the number of welding technicians to meet the on-going workforce needs.
- Promote comprehensive reform of welding education.
- Promote and enhance faculty professional development and continuing education for welding educators.

The accomplishment of these goals will be a driver in the future of the materials joining industry in the U.S. Working together the educational partners, business partners and AWS are identifying the new and emerging technologies and methods that will be keys to the competitiveness of the industry. That information will be the foundation in building future curricula and services to meet the needs of current and future welding technicians.

Industry Support



Weld-Ed thanks Lincoln Electric for its generous support to the instructor's professional development programs offered by the National Center by donating over 100 kits of training material and supporting the training by providing Virtual Simulator at all the four sites: Honolulu Community College (HA), Chattanooga State Technical College (TN), Yuba College (CA) and North Dakota College of Science (ND). Lincoln Electric has also donated tons of supplies to support the training at Yuba College and North Dakota College of Science. Lincoln Electric has been supporting Weld-Ed annual national Welding Conferences at Fabtech by providing guest speakers.

Lincoln Electric has also been very supportive of Weld-Ed's student outreach activities and has been offering field trips to the students. In addition, Lincoln Electric has provided Weld-Ed with Virtual Simulator for the summer camps.



Weld-Ed is thankful to Nelson Stud for its generous donation of Nelweld 6000 and NCD – 60 to the welding lab at Lorain County Community College. The brand new equipment along with the accessories donated was valued at over \$ 45,000. The equipment is used at the welding lab for course WTEC 212 on Fabrication and others.

Hypertherm

Hypertherm has sponsored Lunch at the Annual National Welding Conference hosted by Weld-Ed at the Fabtech. During the lunch Hypertherm discussed its New Plasma Cutting Curriculum with the instructors in attendance. Weld-Ed thanks Hypertherm for the support offered during the conference. Hypertherm has also donated instructors training kit to the National Center.



ESAB supports Annual National Welding Conference by providing guest speakers every year. In addition, ESAB has supported Weld-Ed's instructors professional development program by donating 100 training kits to the educators attending the training.



Miller addressed the Annual National Welding conference at the Fabtech show this year. In addition, Miller has also provided 100 training kits for the educators attending summer professional development programs.



Thermadyne presented at the Annual National Welding Conference at the Fabtech show.



Water Welders educates and resources prospective and current underwater welders, focusing on all aspects of commercial diving and welding. Through our helpful case studies of instructors, student divers, underwater welders and businesses, we create awareness for this exciting field.

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