

The Future of Business in Pittsburgh

October 2023

Explore the Robotics Capital of the World at Pittsburgh Robotics Discovery Day

The Pittsburgh Robotics Network invites visitors to step into the heart of the Robotics Capital of the World at Pittsburgh Robotics Discovery Day, taking place on Thursday, November 16, 2023, at the David L. Lawrence Convention Center. The event is a must-attend for anyone curious about the robotics, automation, and artificial intelligence (AI) technologies that are revolutionizing our world.



Pittsburgh Robotics Discovery Day is free to attend.

Among the 120+ exhibitors participating in this year's event are Pittsburgh companies with Japanese ties and partnerships, including TDK Qeexo, the developer of an automated machine-learning platform and now a Pittsburgh-based subsidiary of TDK Corporation, Bloomfield Robotics, a Kubota-backed AgTech company using AI to monitor crops, and CapSen Robotics, which has partnered with DENSO to showcase its CapSen PiC System.

"We're looking forward to showcasing the incredible talent and innovation that exists in the Pittsburgh region. Pittsburgh Robotics Discovery Day is more than just an event; it's an interactive opportunity for attendees to engage with the trailblazers in robotics and AI, discover how these technologies are shaping our everyday lives, and discover ways they can be a part of building our future" said Jenn Apicella, Executive Director of the Pittsburgh Robotics Network.

One of the more notable additions for 2023 is a new Manufacturing Zone, where attendees can delve into Pittsburgh's advanced manufacturing prowess through live demonstrations of state-of-the-art capabilities and innovations. From additive manufacturing to next-generation production techniques, visitors will discover how local manufacturers are both harnessing and shaping revolutionary robotics and automation technologies. Learn more and register for free at <https://robopgh.org/discoveryday/>.

JEOL Introduces Advanced Additive Manufacturing System in Pittsburgh

Japanese firm JEOL has for the first time [installed an advanced additive manufacturing system](#) outside its home country. This week, the renowned precision equipment maker showcased its JAM-5200EBM Electron Beam-Powder Bed Fusion system at Cumberland Additive's site within Neighborhood 91, located on the grounds of Pittsburgh International Airport. The unit at Cumberland has the Serial Number 4, with the first three systems located in Japan, where JEOL originated nearly 75 years ago by electron microscope researchers.

Neighborhood 91 is a unique hub, being the world's first fully integrated additive manufacturing campus. Conveniently located next to four Pittsburgh airport runways, the facility allows for quick delivery of parts to global customers.

"JEOL's entry to Neighborhood 91, and their partnership with Cumberland Additive, underscores our vision for this campus and the additive manufacturing industry," Vince Gastgeb, Chief Corporate and Government Relations Officer at Pittsburgh International Airport. "PIT is setting the standard as a partner in today's new manufacturing with our universities, governmental and business communities.

"This collaboration with JEOL signifies a new era in advanced additive manufacturing at Neighborhood 91," said Cumberland CEO Dawne Hickton.

"When you move into a new neighborhood, you want your children to make friends with the smart kids, and you want to establish associations that will help your child develop into a great adult," said Robert Pohorenc, president of JEOL USA. "I can't imagine being in a finer place."



The JAM-5200EBM Electron Beam-Powder Bed Fusion system ribbon cutting at Neighborhood 91.
(Image courtesy of The Barnes Global Advisors)

Pittsburgh Business News and Updates

- Astrobotic set to launch to the Moon on Christmas Eve (<https://techcrunch.com/2023/10/25/ula-aims-to-launch-astrobotic-lunar-lander-on-christmas-eve/>)
- Pitt's \$250M biomanufacturing facility moves forward (<https://triblive.com/business/pitts-plan-for-a-120m-biomanufacturing-facility-in-hazelwood-moves-forward/>)
- 'A little Japan in Pittsburgh': Japanese Student Association celebrates Bunkasai cultural festival (<https://pittnews.com/article/183340/arts-and-entertainment/a-little-japan-in-pittsburgh-japanese-student-association-celebrates-bunkasai-cultural-festival/>)
- Joe Zeff tells Pittsburgh's stories, one QR code at a time (<https://technical.ly/software-development/joe-zeff-design-augmented-pittsburgh/>)
- You can now get (virtually) certified in AI, 3D bioprinting and data science at Carnegie Mellon (<https://technical.ly/professional-development/cmu-certificates-ai-3d-bioprinting-data-science/>)



About Ryan

Ryan O'Shea is a JETRO Investment Advisor focused on connecting Japanese companies to opportunities in Pittsburgh, Pennsylvania. He is the host of Future Grind, a podcast that explores the ethics and impact of emerging science and technology, and also works with the Pittsburgh Robotics Network. In 2017, Ryan co-founded an artificial intelligence startup that was named a Top 10 team in the IBM Watson AI XPRIZE. Ryan has represented NASA and CalTech's Jet Propulsion Laboratory as a Solar System Ambassador and serves both as a World Economic Forum Global Shaper and an ambassador for Pittsburgh AI. He is a graduate of the University of Pittsburgh & serves on the boards of multiple non-profit organizations.