

## SPECIAL EDITION - Reman Day 2022

Happy Reman Day 2022 from RIT's Golisano Institute for Sustainability (GIS)! In addition to organizing the annual RIC-RIT World Remanufacturing Conference, GIS is helping remanufacturers move forward in today's fast-changing world through research, education, and outreach.

Learn about our work and the larger trends facing the sector in this special Reman Day edition of our newsletter. Plus, find easy introductions to basic reman concepts that you can share with colleagues and friends who are new to reman—a great way to celebrate Reman Day.

**SUSTAINABILITY INSIDER**  
| Where research meets impact |

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# How REMADE is making the case for strategic R&D—and circular economy—for U.S. manufacturing

Now in its fifth year, the REMADE Institute shows how strategic R&D can work in the U.S. to both drive innovation and meet national climate goals.

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## New Trends in Remanufacturing

Learn more about efforts to advance remanufacturing to drive innovation and sustainability in the twenty-first century.



### Five ways to foster a circular economy for electric vehicles

Industry experts put the electric vehicle (EV) revolution into perspective at the 2021 RIC-RIT World Remanufacturing Conference.

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### How a new framework looks to mainstream additive repair

A new framework developed by GIS researchers is set to make additive repair an affordable remanufacturing technology for maintaining high-value assets.

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## Resources

New to remanufacturing or have customers who are? These explainers are a great introduction to the basics.



### What is Remanufacturing?

An intro to remanufacturing—what it is, how it works, and why it's essential to a circular economy.

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### What is Life Cycle Analysis (LCA)?

Life cycle assessment (LCA) is a tool for objectively evaluating the environmental impact of industrial processes and systems.

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### What is the Circular Economy?

Circular economy is an economic model for growing prosperity without increasing resource consumption and the production of waste.

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## Notable & Newsworthy

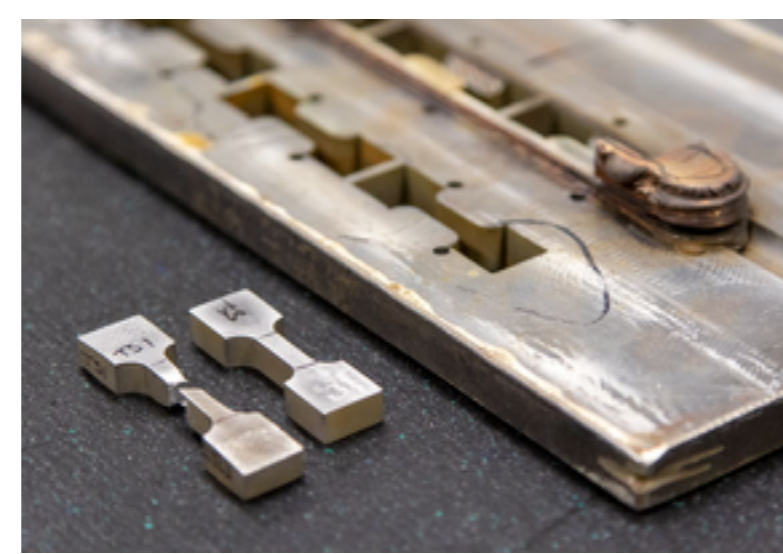


**Leading U.S. remanufacturer continues work with GIS to grow circular economy for office furniture**

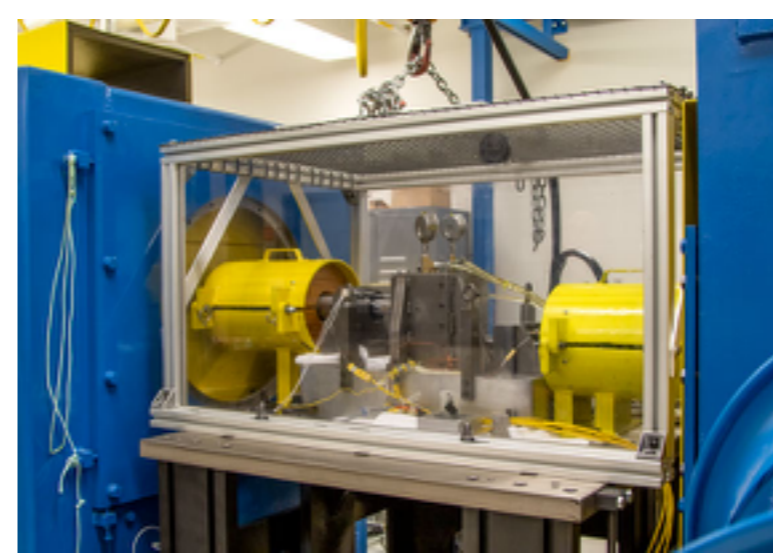


**RIT's launches second circular economy report for U.N. Environment Programme**

## Remanufacturing Research Publications

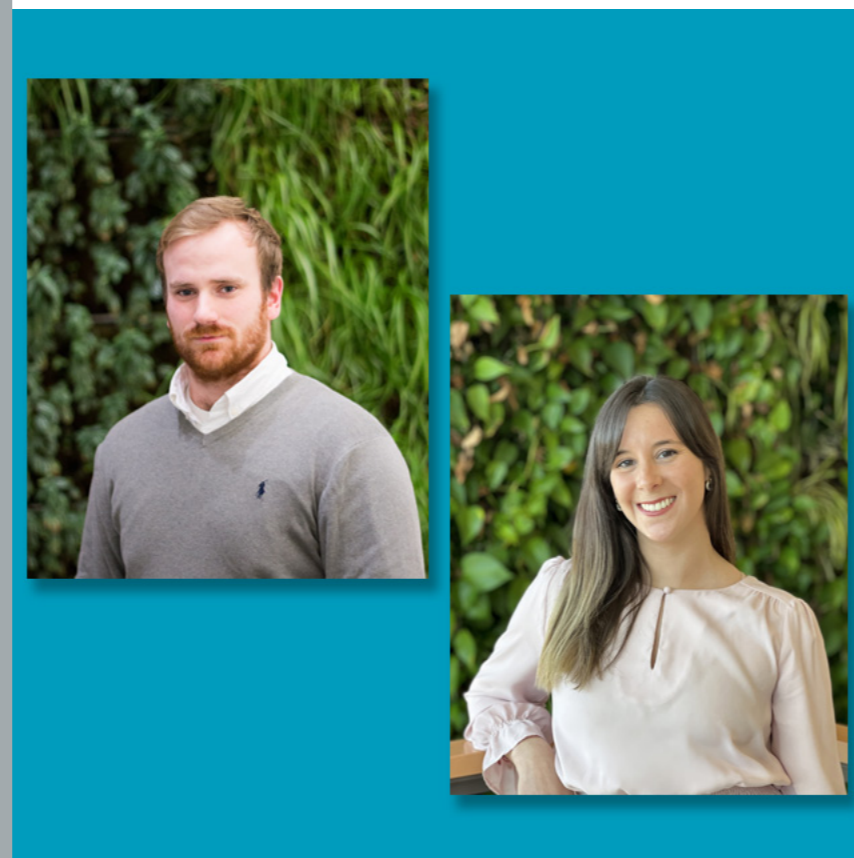


**Can friction stir-welding repair small cracks in high-performance aluminum?**



**Can machine learning support better condition assessment than conventional methods?**

## Student Spotlight



### Kyle Parnell and Constanza Berron

Kyle (sustainability Ph.D.) and Constanza (sustainable systems MS) support GIS research for the United Nations Environmental Program exploring how value-retention processes (VRPs)—like remanufacturing—can enable the **circular economy** within the consumer electronics industry.

## Learn More



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for innovation & opportunity

**RIT is an international leader** driving remanufacturing and resource recovery innovation. Our remanufacturing testbed offers various capabilities to fit your needs:

- Life cycle engineering
- Design for remanufacturing
- Core or part condition assessment
- Additive-repair technologies for material restoration
- Reverse engineering and additive manufacturing
- Electronics remanufacturing
- Industry 4.0
- Cleaning

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