

Welcome to The Ohio State University & Honda Research Institute USA



Alissa Comella

Co-Director, Honda-Ohio State Partnership
Enterprise for Research, Innovation and Knowledge
The Ohio State University



Duane Detwiler

Vice President of Research
Honda Research Institute USA, Inc.
Growth Innovation Leadership Council Member

OHIO STATE SNAPSHOT

67,000

Undergraduate and
graduate students

#1

Among Ohio universities,
*U.S. News and World
Report 2025*

15th

Among all U.S. public
universities, *U.S. News and
World Report 2025*

#1

Producer of Fulbright
Scholars among all U.S.
colleges and universities

200+

Academic centers and institutes
for research, policy-making and
knowledge creation

18,000+

Courses offered by 18
colleges and schools.



OHIO STATE REACH

Robust presence throughout Ohio:

- 6 regional campuses
- 100+ research centers across the state
- OSU Extension in all 88 Ohio counties

The university's reach extends wide:

- 630,000+ alumni worldwide
- Approx. 2 million social media followers
- 100+ startup companies and licensees



DISCOVERY, INNOVATION & COLLABORATION

\$1.68B

In research expenditures in
2025

80+

Active start-up companies
advancing solutions

6th

Nationally for industry-
sponsored research

\$19.6B

University's annual
economic impact

370+

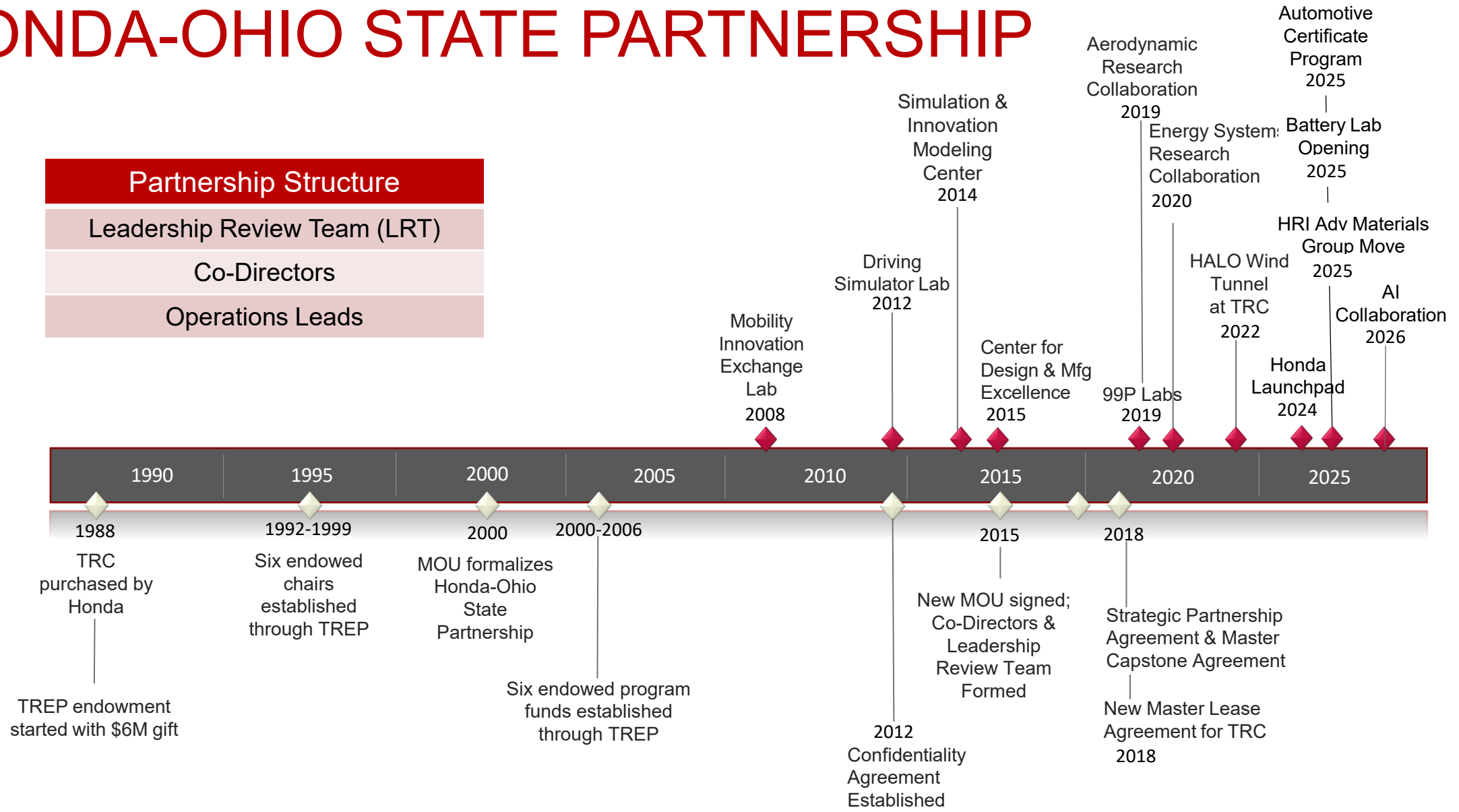
New inventions created by our
researchers each year

\$155M

In industry-sponsored
research



HONDA-OHIO STATE PARTNERSHIP



HONDA-OHIO STATE PARTNERSHIP

\$132M

Philanthropy & Sponsored
Research

120 & 9

Annual Honda Scholars &
Endowed Chairs & Designated
Professors

300 & 100+

Honda Launchpad
Students/Co-Ops & FT Hires
Annually

400

Supported Research Projects

180

Honda Associates in the
Graduate Certificate in Business
Leadership

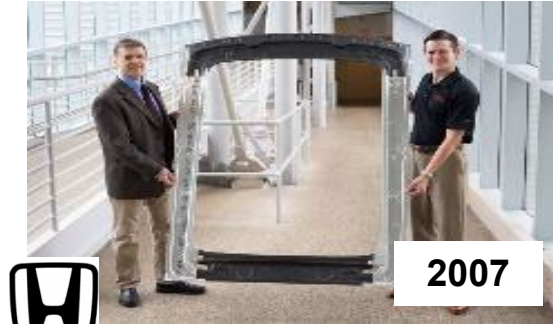
\$250M

Transportation Research Center
Capital Investments



Honda as Founding Partner of Research Centers at OSU

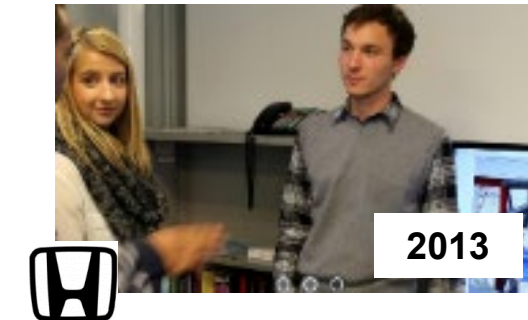
OSU SVC
Smart Vehicle Concepts



OSU Driving Simulator Lab
HMI & Driver Distraction



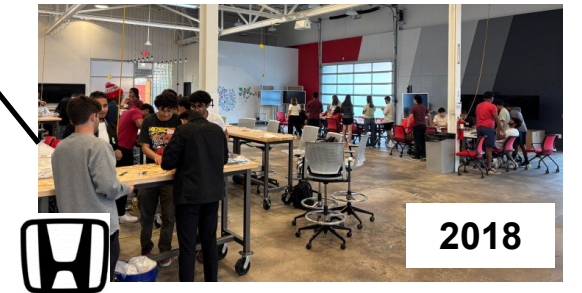
OSU SIMCenter
Digital Transformation



OSU Battery Cell R&D Center
Advanced LIB & Beyond Lithium



99P Labs
Sustainable Mobility Futures



OSU CDME
Center for Design & Manufacturing



INNOVATE THROUGH SCIENCE

We enrich our partners with unique skills and technologies to realize innovative products, services and experiences.

We create knowledge that matters, with an attitude that challenges, for a society that flourishes.

SCIENTIFIC DEPTH
RESULTING IN
UNRIVALLED
TECHNOLOGICAL
EXCELLENCE

REALIZING THE
TECHNOLOGICAL
ADVANTAGE:
INNOVATE FROM
SCIENCE

IDENTIFICATION OF
THE **EMERGING,**
DISRUPTIVE AND
UNCONVENTIONAL

CREATING
SYNERGY FROM AN
INTERNATIONALLY
DIVERSE
OPERATION

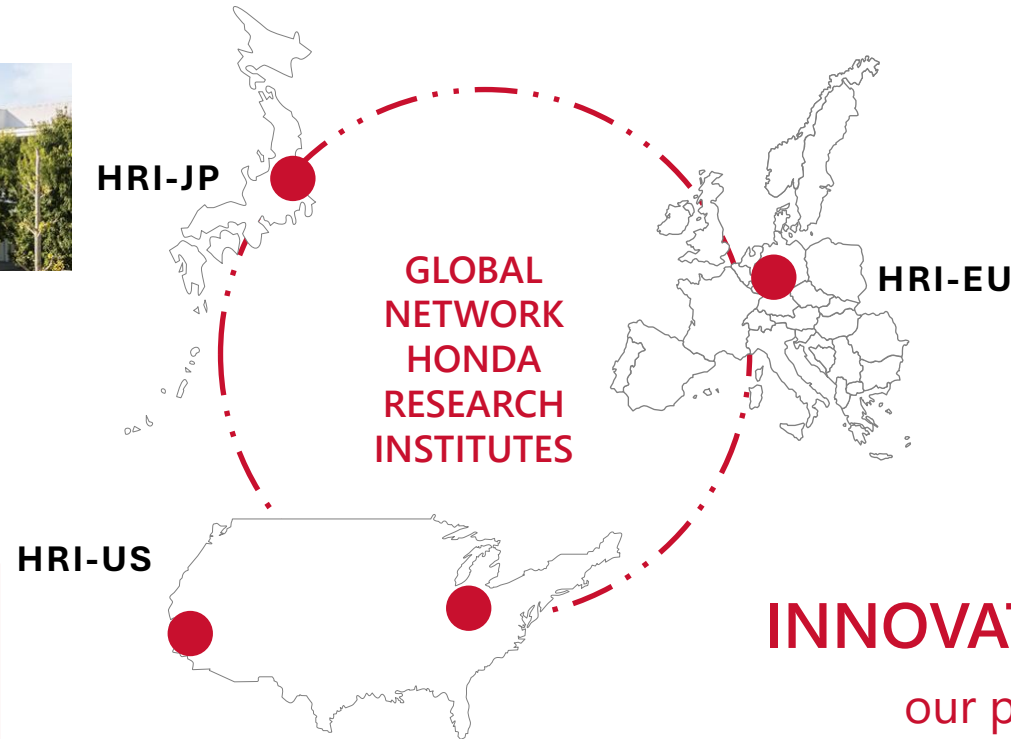
expand on the HRI Mission to emphasize our uniqueness, focus our strength and the togetherness spirit

Global Network Honda Research Institutes



Established in 2003 – USA, EU, Japan

Locations



INNOVATE through SCIENCE
our philosophy - our DNA

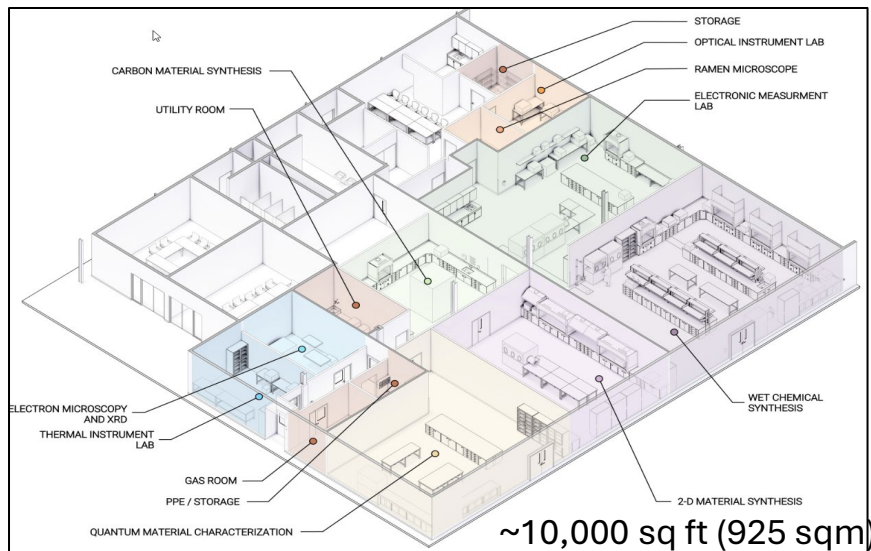
HRI-US-Ohio Office has Material Science Research & 99P Labs Innovation

HRI - Material Science Research Domains

Develop AI-augmented data driven methods
to guide the acceleration of material
discovery.

New scientific discoveries and material
innovations as joint roadmap projects with
HG/HDMA.
Requires clear joint targets & schedules
Eg: Batteries, fuel cell, carbon reduction and
alternate fuels

HRI Material Science Lab @ OSU



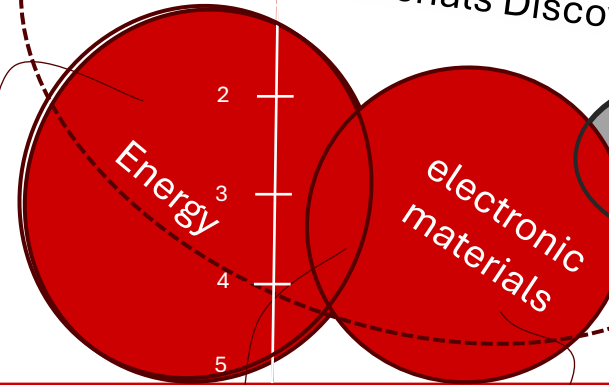
consolidation

Crossover internal
competencies
between energy and
electronic materials.
Eg: photocatalysis or
solar energy

product / service

science

AI-Driven Materials Discovery



new unique HRI exploration:
"cooperative matter and
biological intelligence"



Nature inspired **Q-
Systems**

Part of global HRI
Quantum Strategy

exploration

Areas of internal expertise for the physics of
electronic materials. Some overlap with
quantum. Partnerships will be important.

inverted TRL scale

Founded in 2018, 99P's mission is to create **sustainable mobility futures** through collaborative research and data-driven innovation.



Software-Defined Intelligence: Innovating Tech Solutions for Connected and Intelligent Platforms



Applied Human-Centered Intelligence: Designing for Collaboration between Humans and Intelligent Machines



Intelligent Energy Systems: Developing Advanced Materials and Energy Systems for Greater Sustainability



Computational Design and Digital Twins: Pioneering Digital Systems for Real-World Solutions



SOCIETAL IMPACT GOALS:

- Improve Peoples' Quality of Life
- Expand Joy and Freedom of Mobility
- Enhance Safety and Security
- Foster Sustainability
- Fuel Local Innovation



99P Labs sponsors **Student Innovators**

1,413	224	780	38,064
Students Engaged	Problems Explored	Technologies Studied	Hours Invested

(Fall 2020 – Spring 2026)

- ✓ Increase Speed of Innovation
- ✓ Co-create Joint I.P.
- ✓ Develop Open-Source Software
- ✓ Leverage External Funding
- ✓ Expand Partner Network

“Success represents the 1% of your work which results from 99% that is called failure” – Soichiro Honda → (Take an agile approach for innovation!)

Website

<https://www.99plabs.com/>

Community Page

<https://medium.com/99p-labs>

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<https://www.linkedin.com/company/99p-labs/>