ILAPPA Conference 2025

Time	Wednesday March 12, 2025	
8:00 am - 9:00 am	Breakfast, Registration - Carterville Room	
9:00 am - 10:00 am	**Welcome & Keynote:** Brian Croft - Carterville Room	
10:00 am - 10:30 am	**Vendor Break**	
	Track 1 - Marion Room	**Track 2 - Carbondale Room**
10:30 am - 11:20 am	**Session 1**	**Session 1**
	Renewable Energy /Integration for Campuses Speaker: Matt Wade CMTA	Storm Ready, NOAA Speaker: Christine Wielgos
11:30 am - 12:30 pm	**Session 2**	**Session 2**
	Campus Safety Strategies Speaker: Jon Cheatheam	Managing Campus Emergencies Speaker: Scott Mooberry
12:30 pm - 2:00 pm	**Lunch / Vendor Break**	
2:00 pm - 3:00 pm	**Session 3**	**Session 3**
	When Disaster Strikes: Making Lemonade Out of Lemons Speaker: Craig Holan	Navigating Hazards & Compliance: EHS & Facilities Services Synergy at ISU Speakers: Adam McCrary, Mark Gramley, Harmony Kiley
3:00 pm - 3:30 pm	**Vendor Break**	
3:30 pm - 4:30 pm	**Session 4**	**Session 4**
	SIUE Health Sciences Building MEP & Envelope Commissioning Speakers: Julia Pluff, Bruce Capelle, Evan Hepner	Fostering Resilience, Inspiring teams Speaker: Dr. Jeff Burgin
4:30 pm - 5:00 pm	**Break Before Evening Events**	
	Campus Tours	
5:00 pm - 7:00 pm	**Tour 1**	**Tour 2**
	SIU Steam and Power Plant	Gower Translational Research Center
7:00 pm - 9:00 pm	**Welcome Reception, Walkers Bluff Wine Cave**	

Time	Thursday March 13, 2025	
7:30 am - 8:30 am	ILAPPA Board Meeting with Breakfast	
	Track 1 - Marion Room	**Track 2 - Carbondale Room**
8:30 am - 9:30 am	**Session 5**	**Session 5**
	Ameren Incentives, Campus Participation Program Speaker: Larry Erwin	Leadership Development Speaker: Bruce DeRuntz, SIU Engineering Professor
9:30 am - 10:00 am	**Vendor Break**	
10:00 am - 11:00 am	**Session 6**	**Session 6**
	Web TMA Roundtable Host: Roundtable Discussion	Gower Translational Research Center, Renovations to Innovations Speakers: Ken Stoner, Gary Kinsel, Lynn Lindberg, Carol LePere
11:00 am - 11:30 am	**Conference Closing - Carterville Room**	
11:30 am - 12:00 pm	**Box Lunches to go**	

2025 Sponsors

Platinum

CINTAS
READY FOR THE WORKDAY®

CORE

IMEG

TRANE TECHNOLOGIES

Gold

ALLEGION
PIONEERING SAFETY™

traka
ASSA ABLOY

CMTA
A LEGENCE Company

comed
AN EXELON COMPANY

NALCO Water
An Ecolab Company

GDBarri
& Associates, Inc.

Farnsworth
GROUP

TWIN EAGLE

SPIROTHERM

FMX

TREMCO
Construction Products Group

RENAISSANCE
HISTORIC EXTERIORS

SPEAKER BIOS
&
PRESENTATION SUMMARIES

Keynote Speaker: Brian Croft, Director, Touch of Nature Outdoor Education Center

Speaker Bio: Brian Croft is a dynamic, engaging, and energetic speaker who thrives on people energy. An Extrovert's Introvert, Brian's background in experiential education has brought him to speaking engagements locally and across the US. Brian's goal in life is to help people become their best selves by creating an environment to help people become who they are meant to be. With a career in higher education, outdoor recreation, and experiential learning, Brian believes in learning by doing. This mantra goes far behind traditional K-12 or Higher Education, but can applied to all levels or work. Currently Brian is the Director of the Touch of Nature Outdoor Education Center at SIU Carbondale, an active board member for Jackson County CEO, and on several committees with the Association for Experiential Education.

Presentation Summary: Getting the Most from your Team: Challenging the Comfort Zone without expanding it.

A leader is only as good as the team they are working with. Creating the team starts with crafting and developing the space in which we operate. Organizational culture, individual strengths, mission and vision all help, but ultimately we need to understand the journey of a team. Understanding how a team develops as a whole, knowing what individuals need to be successful, and learning our strengths is key to creating our space.

Wednesday, March 13, 2025

Track 1: Marion Room, 10:30am

Session 1: CMTA - Renewable Energy / Integration for Campuses

Speaker Bio: Matthew Wade, PE, LEED AP BD+C

Matthew Wade is a Mechanical Engineer at CMTA, Inc. with a passion for lifelong learning, continuous improvement, and innovative project execution. With a B.S. in Mechanical Engineering from the University of Kentucky, Matthew has led numerous projects, engaging closely with clients to align technical solutions with their goals.

His expertise includes infrastructure upgrades, energy-efficient designs, and BIM modeling, where he has helped position his firm as an industry leader. A notable example of his dedication was his work on the UK Chemistry-Physics Renovation, where he successfully navigated late-stage budget cuts while ensuring project objectives were met on time and within budget.

Presentation Summary: As colleges and universities work toward sustainability and energy resilience, integrating renewable energy solutions into campus operations is more important than ever. This session will explore strategies for incorporating solar, geothermal, and other renewable technologies into existing and new campus infrastructure, improving efficiency while reducing environmental impact.

Attendees will gain insights into practical approaches for energy transition, cost-effective implementation, and long-term sustainability planning, helping institutions meet their decarbonization and operational goals.

Track 2: Carbondale Room, 10:30 am

Session 1: Storm Ready, NOAA

Speaker Bio: Christine Wielgos is a Warning Coordination Meteorologist at the National Weather Service in Paducah, KY. She received her Bachelor of Science degree in meteorology from Northern Illinois University. She has worked with the National Weather Service in Paducah, KY since March 2000. As a Warning Coordination Meteorologist, Christine's responsibilities include ensuring consistency and integrity of National Weather Service products and services, conducting safety and preparedness programs throughout the area, leading education and training courses for partners and the public, as well as occasionally working the forecast and warning operation desks.

Presentation Summary: Severe weather events can pose significant risks to campus communities, making preparedness and response planning essential for safety and resilience. The NOAA StormReady Campus Program provides a framework for colleges and universities to enhance emergency planning, communication, and mitigation efforts against severe weather threats.

This session will cover the key requirements for StormReady designation, including alert systems, emergency operations planning, and community outreach strategies. Attendees will gain insights into how becoming a StormReady Campus strengthens preparedness, improves response coordination, and fosters a culture of weather awareness to protect students, faculty, and staff.

Track 1: Marion Room, 11:30 am

Session 2: Campus Safety Strategies

Speaker Bio: Jon Cheatheam, As a CPTED practitioner, Jon's roles and responsibilities within the IMEG security team are to provide security assessments, Policy & Procedure Development, and Security Master Planning. Currently he is working on multiple healthcare expansions that have covered visioning sessions, future proofing security, visitor/patient flow, and strategic landscape design. Prior to joining IMEG, he worked as an Independent Contractor for the United States Government where he provided SERE (Survival, Evasion, Resistance, and Escape) training to various military units and government personnel. While serving 8 years in the Marine Corps he operated in a Reconnaissance Team conducting missions in Afghanistan and South America.

Presentation Summary: Campus safety and security strategies should revolve around creating a functional and aesthetically pleasing environment while ensuring all stakeholders are on-board with the approach. This course will share how to best integrate security measures into a campus layout, building design, and landscape, as well as educating students, staff, and faculty on safety awareness.

For many campuses and designers, managing civil unrest and protests is a priority and campus openness must be balanced with security needs. The presenter will provide Crime Prevention Through Environmental Design (CPTED) principles to guide both safety and aesthetic decisions on a campus. Considerations for off-campus student housing are integrated into the overall safety culture, ensuring a holistic approach to student security.

Community involvement extends beyond the campus, with public spaces and neighboring communities also engaged in safety initiatives. This presentation will cover the importance of positioning security forces and facilitating an effective response to emergencies and community policing. The presenter will also share modern technologies and solutions for addressing contemporary challenges while considering generational and social factors.

Track 2: Carbondale Room, 11:30 am

Session 2: "Soot-N-Resto:" A Case Study of a Fire Loss in a Campus Building

Speaker Bio: Scott Mooberry, MS, ARM, CHMM, CFPS, CFI Director of Environmental Health and Safety/Deputy Risk Manager, Office of Risk Management, Northern Illinois University.

Scott Mooberry has been with the Environmental Health and Safety Department at NIU for over 25 years. Since joining the Office of Risk Management he has partnered with facilities management and our insurance broker to manage various types of property insurance claims to facilitate restoring campus property.

Presentation Summary: A fire occurred on May 9, 2024, in a student lounge in Wirtz Hall, an academic non-sprinklered building on the DeKalb campus at Northern Illinois University. Although the fire was contained, the ventilation system dispersed the smoke throughout the building. We quickly realized that our existing internal clean-up and restoration protocols were centric to recent water losses, and therefore, we needed to take a different approach to successfully mitigate the soot contamination.

This presentation discusses the clean-up and restoration process (including lessons learned) we implemented in collaboration with our restoration vendor and insurance company to facilitate the renovation process which is a work-in-progress.

Track 1: Marion Room, 2:00pm

Session 3: When Disaster Strikes: Making Lemonade Out of Lemons

Bio: Craig A. Holan, AICP, CEFP. Craig is responsible for planning, design, construction, operation, maintenance, repair, capital renewal, and demolition of campus facilities and infrastructure. Duties include campus and facility planning; capital project program management; architect-engineer consultation and contracting; design and oversight of construction contracts; custodial services; grounds maintenance; operation, maintenance, repair, renewal and demolition of buildings, roads, walks, utilities and other infrastructure; and University transportation.

Prior to becoming the Director of FM at SIUE, Craig served as the Construction and Facility Management Officer (CFMO) for the Illinois Army National Guard at 50 locations with over 4,000,000 square feet under roof and over 5,000 acres spread across the state of Illinois. In total, he has served over 36 years in the United States Military (Active, Reserve and National Guard) in various positions of great responsibility including Company, Battalion and Brigade commands, CFMO, and Deputy Commander of the 766th Explosive Hazards Coordination Cell in Afghanistan. Prior to that, he was an A/E consultant for over 20 years in transportation and federal services.

Presentation Summary: Disasters can strike at any time, disrupting critical operations and requiring swift, strategic response efforts. This session will explore how SIUE navigated a major facility crisis when a pipe break at the School of Dental Medicine during Christmas break 2023 led to four feet of flooding in the basement, destroying the building's electrical and HVAC systems—both essential to the dental program's operations.

Craig Holan will share lessons learned in emergency response, damage assessment, and recovery planning, as well as how his team collaborated with stakeholders to restore functionality, mitigate further risks, and turn a disaster into an opportunity for long-term improvements. This session will provide practical takeaways for facilities professionals on disaster preparedness, crisis management, and infrastructure resilience in higher education settings.

Track 2: Carbondale Room, 2:00 pm

Session 3: Navigating Hazards & Compliance: EHS & Facilities Services Synergy at ISU

Bio: Adam McCrary has served as the Director of Environmental Health and Safety at Illinois State University since May 2022. Adam has obtained numerous professional certifications including Certified Safety Professional (CSP), Certified Industrial Hygienist (CIH), Certified Hazardous Materials Manager (CHMM), and Associate in Risk Management (ARM). Mark Gramley has served as the Assistant Director of Environmental Health at Illinois State University since July 2011. Mark manages numerous EHS programs including industrial hygiene/occupational safety, asbestos/lead, and food safety and sanitation. Mark has numerous professional certifications including Certified Safety Professional (CSP), Certified Industrial Hygienist (CIH), and Licensed Environmental Health Practitioner (LEHP). Harmony Kiley has served as a Safety/Environmental Compliance Specialist at Illinois State University since October 2023. Harmony manages and supports multiple EHS programs including environmental compliance, hazardous waste, and research & lab safety. Harmony is a Graduate Safety Professional (GSP).

Presentation Summary: In the realm of higher education, Environmental Health and Safety (EHS) departments are often aligned with Facilities Services as both functions deal with maintaining safe and compliant physical environments. At Illinois State University, the EHS department operates under the umbrella of Facilities Services. The EHS department comprises technical experts who specialize in various critical areas, including fire and life safety, code compliance, emergency medical services, occupational safety and health, industrial hygiene, environmental regulatory compliance, laboratory and research safety, food safety, campus sanitation, and workers' compensation. This session will provide an insightful discussion led by EHS professionals, covering day-to-day operations, ongoing EHS initiatives, emerging hazards, and recent challenges. The presentation will be aligned with how EHS operations impact Facilities Services.

Track 1: Marion Room, 3:30 pm

Session 4: SIUE Health Sciences Building MEP & Envelope Commissioning

Bio: Bruce A. Capelle, AIA, Campus Architect - AHJ / Project Manager, Southern Illinois University Edwardsville, has over 30 years of experience in the architecture and construction industry including the last several years at SIUE. He has extensive higher education, K-12, healthcare, and commercial experience. He brings both professional service provider and customer experience to this presentation which provides a well balanced understanding of the subject and its benefits.

Evan Hepner, MBA, EIT, Commissioning Project Manager-Farnsworth Group, has 16 years of experience in commissioning, mechanical engineering design and project management. He is skilled in CxAlloy, Procore, Autodesk Modeling Programs, LEED online, Hourly Analysis Program for load calculations, and Microsoft Office programs. His qualifications include full-service LEED commissioning, design, and drafting of HVAC and plumbing systems, coordinating large scale functional testing evolutions, and performing site observations across a variety of building types

Presentation Summary: This presentation will address the process and complexities of commissioning a 176,000 square foot, three-story health science building constructed using the design-build delivery method. The SIUE Health Sciences Building includes new academic classrooms, teaching and simulation laboratories, and administrative offices. This presentation will provide an overview of both systems and envelope commissioning with discussion of how construction delivery method may impact the commissioning process and timeline. How the recommendations made from design through warranty phases can help Facility Managers realize budget savings in utilities and facilities maintenance hours will also be included.

Track 2: Carbondale Room, 3:30pm

Session 4: Pouring From a Balanced Cup: Cultivating the Best You Possible

Speaker Bio: Dr. Jeffery T. Burgin is the Vice Chancellor for Student Affairs at Southern Illinois University Carbondale, bringing over two decades of leadership in student engagement and higher education administration. Throughout his career, he has led multimillion-dollar campus initiatives, fostered international partnerships, and developed impactful student programs focused on diversity, equity, and inclusion.

Dr. Burgin holds a bachelor's degree in African American studies/pre-law from the University of Cincinnati, a master's in college student personnel from Ohio University, and a doctorate in higher education administration from the University of Alabama. He is dedicated to transforming student lives and strengthening the university community through engagement and innovation.

Presentation Summary: This engaging session is focused on fostering resilience, inspiring teams, and cultivating confidence in your role. Gain valuable insights and practical strategies to navigate challenges, lead with impact, and empower those around you.

Thursday, March 14, 2025

Track 1: Marion Room, 8:30 am

Session 5: Ameren Incentives, Campus Participation Program

Speaker Bio: Larry Erwin, CEM, is a Standard Business Program Energy Advisor for Territory 7 at Leidos, Inc., supporting the Ameren Illinois Energy Efficiency Program. With extensive experience in energy management and efficiency solutions, Larry works closely with businesses and institutions to identify cost-saving opportunities, optimize energy usage, and navigate the incentive application process to maximize financial benefits.

Leidos, Inc. is a leading engineering and technology solutions firm specializing in energy efficiency, sustainability, and infrastructure improvements. As an Ameren Illinois Energy Efficiency Contractor, Leidos helps customers implement customized energy-saving projects, from HVAC and lighting upgrades to renewable energy integration, ensuring long-term operational savings and sustainability benefits.

Larry's expertise in energy conservation strategies and incentive programs has helped organizations successfully implement efficiency measures, reduce costs, and enhance environmental stewardship. His role is focused on guiding customers through incentive opportunities, program guidelines, and project execution to ensure seamless participation in the Ameren Illinois Energy Efficiency Program.

Presentation Summary: This session will provide an overview of the Ameren Illinois Energy Efficiency Incentives Program, which offers financial support to help businesses and institutions reduce energy costs through efficiency upgrades. Attendees will learn about eligibility requirements, available incentives, and application processes for projects such as HVAC improvements, lighting upgrades, steam system enhancements, and new construction energy savings.

The presentation will highlight historical project successes, including significant cost savings for higher education institutions, and outline strategies for maximizing incentives to accelerate energy efficiency initiatives. Participants will gain insights into how custom, standard, and specialized energy projects can qualify for funding, along with details on bonus opportunities and streamlined application processes for campus-wide participation.

Track 2: Carbondale Room, 8:30 am

Session 5: The Leadership Challenge

Speaker Bio: Dr. Bruce DeRuntz is a Professor in the College of Engineering at Southern Illinois University Carbondale and the Director of SIUC's award-winning Engineering Leadership Development Program—a nationally recognized initiative with a 92% pre-graduation career placement rate and a 100% graduation rate. Under his leadership, the program has earned SIU's prestigious Delyte Morris Award for Excellence in Community Service twice.

With over 35 years of combined industry and academic experience, Dr. DeRuntz specializes in project management and leadership within the College of Engineering and teaches advanced leadership in SIUC's MBA program. His expertise extends beyond the classroom as a consultant, helping universities and companies develop strong organizational and leadership strategies.

Dr. DeRuntz holds a Ph.D. in Workforce Education and Development and has contributed significantly to the field as the former Editor of ASQ's Quality Management Forum and a Fellow of the American Society for Quality. His passion for leadership development continues to shape the next generation of engineering and business professionals.

Presentation Summary: Explore the core principles of The Leadership Challenge by Kouzes and Posner, focusing on the proven five practices of exemplary leadership. This session will provide practical strategies for inspiring, motivating, and leading teams to success. Whether you're an experienced leader or just starting out, you'll gain valuable tools to enhance your leadership journey.

Track 1: Marion Room, 10:00am

Session 6: Web TMA Roundtable Discussion

Presentation Summary: CMMS Implementation Strategies – A Roundtable Discussion

This interactive roundtable discussion will bring together facilities management professionals from Illinois universities to share challenges, best practices, and strategies for implementing and optimizing WebTMA and other CMMS solutions in higher education.

Participants will discuss common university facility management issues, including work order tracking, preventive maintenance scheduling, asset management, and data integration. The session will also explore lessons learned from implementation, customization needs, and strategies for maximizing efficiency and cost savings.

This session offers an opportunity for peer-to-peer collaboration, where attendees can exchange experiences, troubleshoot challenges, and explore ways to enhance CMMS adoption to better support campus operations and long-term sustainability goals.

Track 2: Carbondale Room, 10:00 am

Session 6: Gower Translational Research Center, Renovations to Innovations

Speaker Bio: This panel discussion brings together facility professionals, engineers, researchers, and economic development leaders to explore the renovation and transformation of the Gower Translational Research Center at Southern Illinois University Carbondale (SIU).

Panelists will share insights on facility design, infrastructure upgrades, and the role of translational research in driving innovation. Discussions will highlight engineering challenges, lab space optimization, and how the facility supports cutting-edge research in biotechnology, aquaculture, and advanced manufacturing.

Attendees will gain a deeper understanding of how strategic facility planning and investment can foster collaboration between academia, industry, and economic development partners, ultimately positioning institutions like SIU as leaders in research commercialization and regional economic growth.

Presentation Summary: In October 2024, SIU unveiled the $7.2 million BioLaunch lab within the center—a 10,000-square-foot space dedicated to life sciences research. Funded partly by a $2.7 million grant from the Illinois Department of Commerce and Economic Opportunity Wet Lab Program, BioLaunch is a key component of the Illinois Food, Entrepreneurship, Research, and Manufacturing (iFERM) Hub. This state-of-the-art suite supports faculty, students, startups, and private firms, focusing on food, fermentation, and biotechnology research.

The Gower Translational Research Center at Southern Illinois University Carbondale has undergone a significant renovation, evolving into a state-of-the-art hub for translational research, biotechnology, and economic development. This session will explore the planning, design, and implementation of the facility's transformation, highlighting key infrastructure upgrades, research capabilities, and industry partnerships.

Facility professionals, engineers, researchers, and economic development leaders will discuss:

-The vision behind the renovation and its impact on SIU's research ecosystem.
-Engineering and facility challenges in retrofitting and modernizing the space.
-The role of Gower in advancing biotechnology, aquaculture, and innovation-driven economic growth.
-How the facility supports collaboration between academia, startups, and industry partners.

This session will provide valuable insights into best practices for facility modernization and the critical role research infrastructure plays in fostering innovation and regional economic impact.

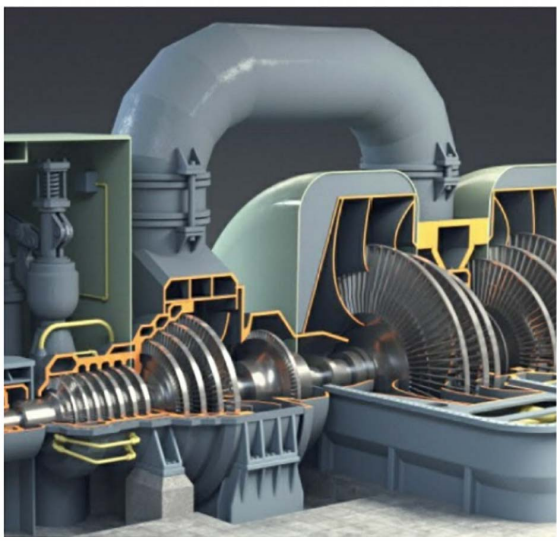
TOUR 1

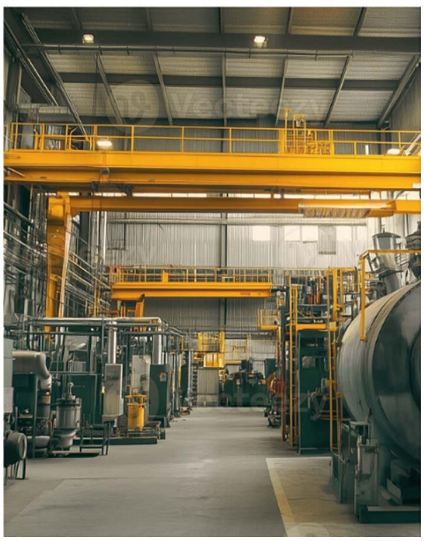
SIU STEAM AND POWER PLANT

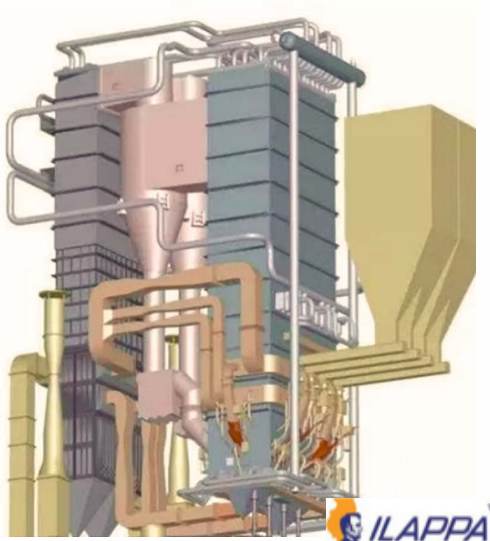
Overview

SIU Steam & Power Plant Tour Highlights

- Campus Heating & Cooling: The SIU Power Plant generates steam to heat campus buildings, produce chilled water for cooling, and generate electricity.
- Underground Distribution System: Steam and chilled water travel through four miles of underground tunnels, supplying energy to over 50 buildings across campus.
- Coal-Fired Energy Production: The plant consumes nearly 50,000 tons of coal per year, ensuring reliable energy for campus operations.
- On-Site Electricity Generation: A 3-megawatt generator produces approximately 14% of the campus's annual electricity needs, contributing to the over 100 million kWh consumed annually. The system supports a peak load of 18 megawatts.
- Renewable Energy Contribution: SIU integrates sustainable energy with a photovoltaic (solar) power system, providing a 28-kilowatt peak output, helping to offset purchased electricity with clean, renewable power.







TOUR 2

SIU GOWER TRANSLATIONAL RESEARCH CENTER

Overview

SIU BioLaunch Lab Tour Highlights

🔹 **State-of-the-Art Life Sciences Research:** The **BioLaunch Lab** is a **10,000-square-foot** cutting-edge facility dedicated to **biotechnology, analytical research, and business development**.

🔹 **Significant Investment & Grant Support:** The **$7.2 million** facility was funded in part by a **$2.7 million grant** from the **Illinois Department of Commerce and Economic Opportunity Wet Lab Program**.

🔹 **Key Facility Features:**

- **Biotechnology Core** – Supporting research in life sciences and biotech innovations.
- **Analytical Core** – Providing advanced instrumentation for chemical and biological analysis.
- **Mass Spectrometry Core –** Enabling high-precision molecular studies.
- **Business Annex** – Connecting researchers with **start-up companies and private firms**.

🔹 **Part of the iFERM Hub:** BioLaunch is the latest addition to the **Illinois Food, Entrepreneurship, Research, and Manufacturing (iFERM) Hub**, designed for **faculty, students, and industry collaboration**.

🔹 **Future Expansion:** BioLaunch is the first of three major construction projects planned for the **McLafferty Annex**. Upcoming additions include a **full-scale production brewery** and a **value-added agriculture pilot facility**.