

IBI GROUP DEFINING THE CITIES OF TOMORROW





It all begins with a spark of curiosity.

In today's society, nothing is more important than inspiring personal, self-determined learning within an individual. Sparking creative curiosity within learners of all ages is the highest goal for educators and designers alike. IBI Learning+ believes in creating dynamic environments that cultivate transformational teaching and learning.



We foster critical thinking.

Today's rapidly changing societies and technology-driven economies, the role of education is itself evolving.

From the early years of primary education to the years of post-doctoral research, campuses are challenged to foster critical thinking and creative problem solving, and to enable a society that thrives on collaborative partnerships and constant learning. This is why IBI focuses on creating environments, virtual or physical, that shape fluid, symbiotic relationships between campus, city and industry.





Learning+ is a center of excellence focused on shaping the next generation of learning environments that inspire lifelong learning.

Our team has over 40 years of experience in shaping architecture for education, spanning predesign research, master planning, programming, planning and design for renovations, additions, new buildings and landscapes. The new generation of learners and learning modalities is redefining the way we design and deliver contemporary learning environments. Globally connected, individually focused, and technologically optimized, we are creating the campus of the future.





We connect pedagogy to design.



FOCUSED ON THE LEARNER

The learner is central to the education process. Shifting to personalized learning methods, the education system has been evolving to create agile and flexible learning experiences that adapt to individual student needs. We believe space and place can encourage opportunities for individual exploration and group collaboration beyond formal learning spaces.



ENGAGED IN THE COMMUNITY

At the heart of every community is a learning institution. We see our work as an integral part of the greater regions we live in, and we are invested in creating environments that allow students to thrive, extending the learning continuum beyond the classroom and into the community. Through meaningful stakeholder engagement, we bring every voice to the table and foster industry and community partnerships when creating new learning spaces.



DRIVING DESIGN INNOVATION

The next generation of learning environments is being formed by challenging the traditional campus organization. Bringing an understanding of the multidisciplinary learning ecology we believe in creating dynamic spatial and technological connections that de-silo the campus and connect the physical and virtual campuses, and generate innovation through collaboration and experimentation.

Good design is proven to improve educational outcomes for learners.

Today's learning experiences are:

Fluid and hands-on
Technology Infused
Research and Innovation Oriented
Community Engaged
and build Resilience

Fluid and Hands-on

We believe in learning opportunities that do not provide students with a *one size fits all* path, but rather provide them with options to discover their own path.

Transformative learning emphasizes the journey of the individual learner, and allows them to take ownership of their own learning experience. When pedagogy and spatial design are approached in a holistic manner, students are given voice, choice, and control; thereby producing an authentic learning environment. Beyond teaching methodologies and curriculum, space and place play a unique role in fostering curiosity, connection, and socio-emotional learning. In this century, the importance of experiential, hands-on learning cannot be emphasized enough, and this modality focuses on the individual's ability to shape their educational journey within a course, a degree, and within the context of lifelong learning. We discover that the interconnectedness of the spatial experience, putting learning on display, creating varied, dynamic arrangements for formal and informal interaction, are all ingredients in this journey.



FLUID AND HANDS ON

TECHNOLOGY INFUSED

RESEARCH AND INNOVATION ORIENTED

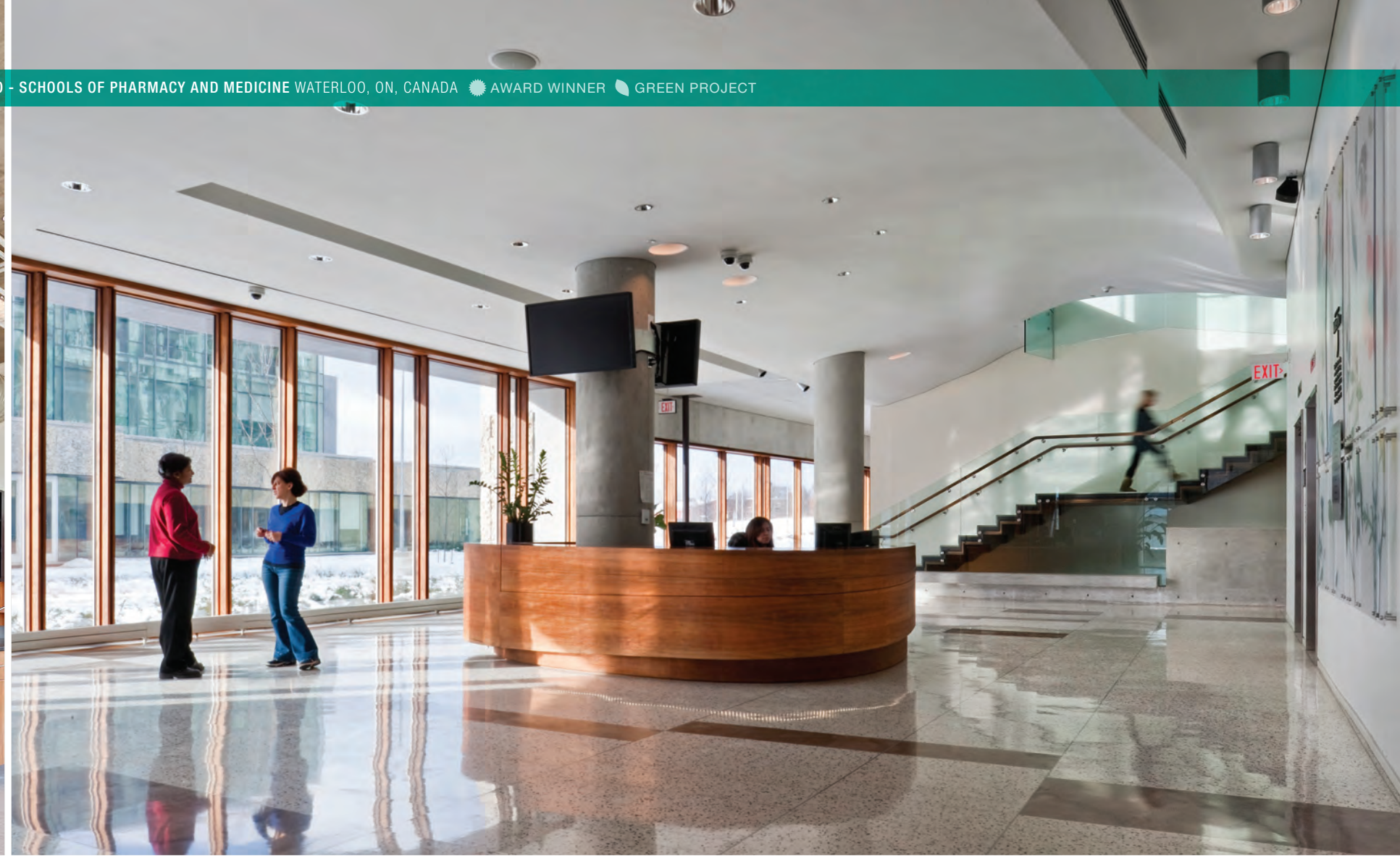
COMMUNITY ENGAGED

BUILD RESILIENCE





UNIVERSITY OF WATERLOO - SCHOOLS OF PHARMACY AND MEDICINE WATERLOO, ON, CANADA AWARD WINNER GREEN PROJECT



SENSOR CITY LIVERPOOL LIVERPOOL, ENGLAND AWARD WINNER GREEN PROJECT



CORNELL UNIVERSITY - HUMAN ECOLOGY BUILDING ITHACA, NY, USA AWARD WINNER GREEN PROJECT

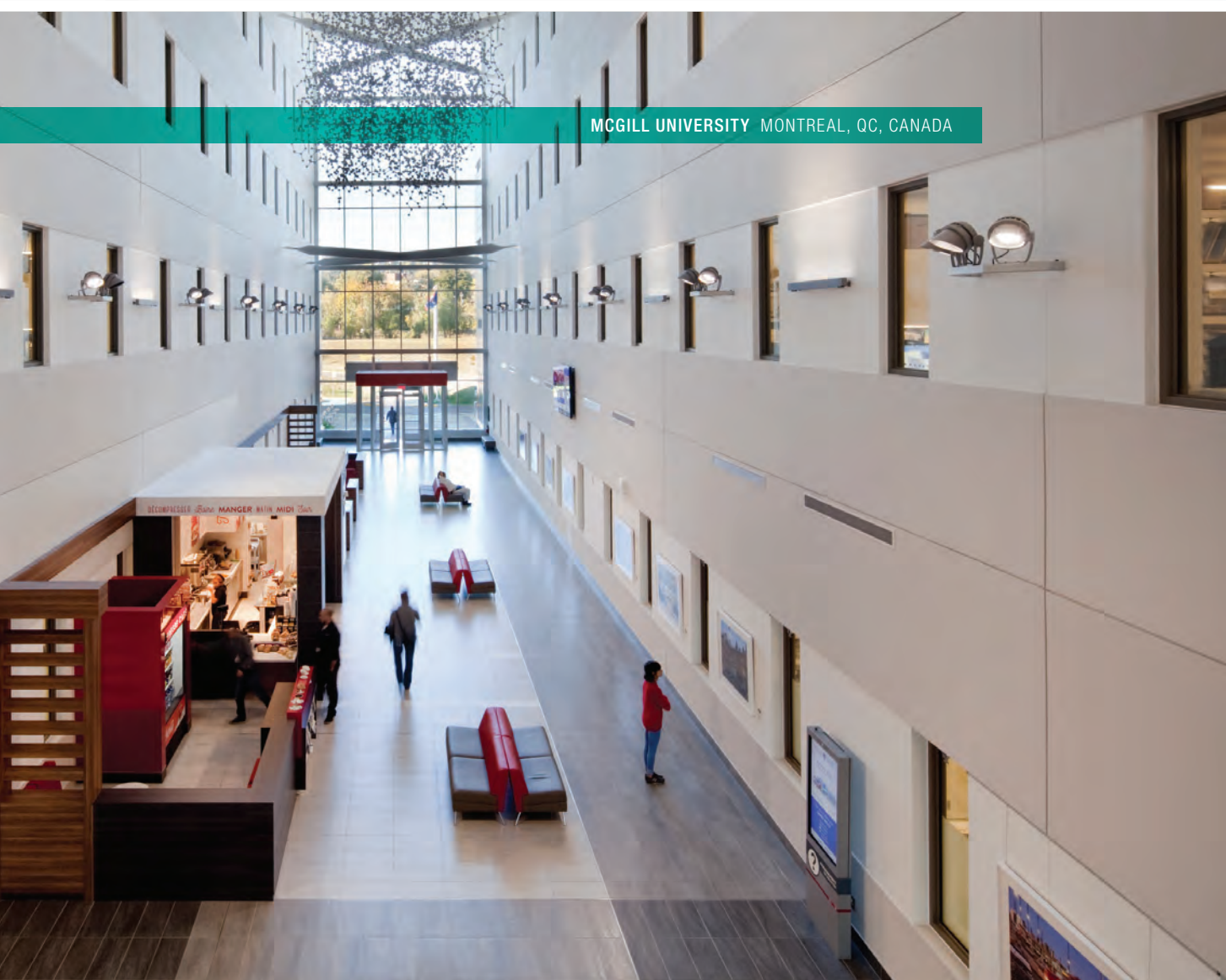
YALE SCHOOL OF MANAGEMENT NEW HAVEN, CT, USA



SCHULICH SCHOOL OF BUSINESS TORONTO, ON, CANADA AWARD WINNER



MCGILL UNIVERSITY MONTREAL, QC, CANADA



Technology Infused

Technology is a ubiquitous partner in the learning process

Gen Z is defined as the touchscreen students of a new era, who have replaced foreign languages with coding languages. With students imbibing technology at early ages, and using it as a spark and tool for exploration and engagement, technology has become pivotal in shifting the learning culture to be dynamic and flexible. Our goal is to reimagine spaces that are agile, responsive and engaging - for the 24/7 learner, and for interaction within and outside the classroom. Dynamic learning requires that the built environment itself become dynamic, with flexible technology options at every students' fingertips. Flexible furniture with options for digital connection allow learners to move effortlessly throughout a space without sitting in rows of desks facing a lecturer, and to engage in ever changing ways with their peers, industry partners and educators.



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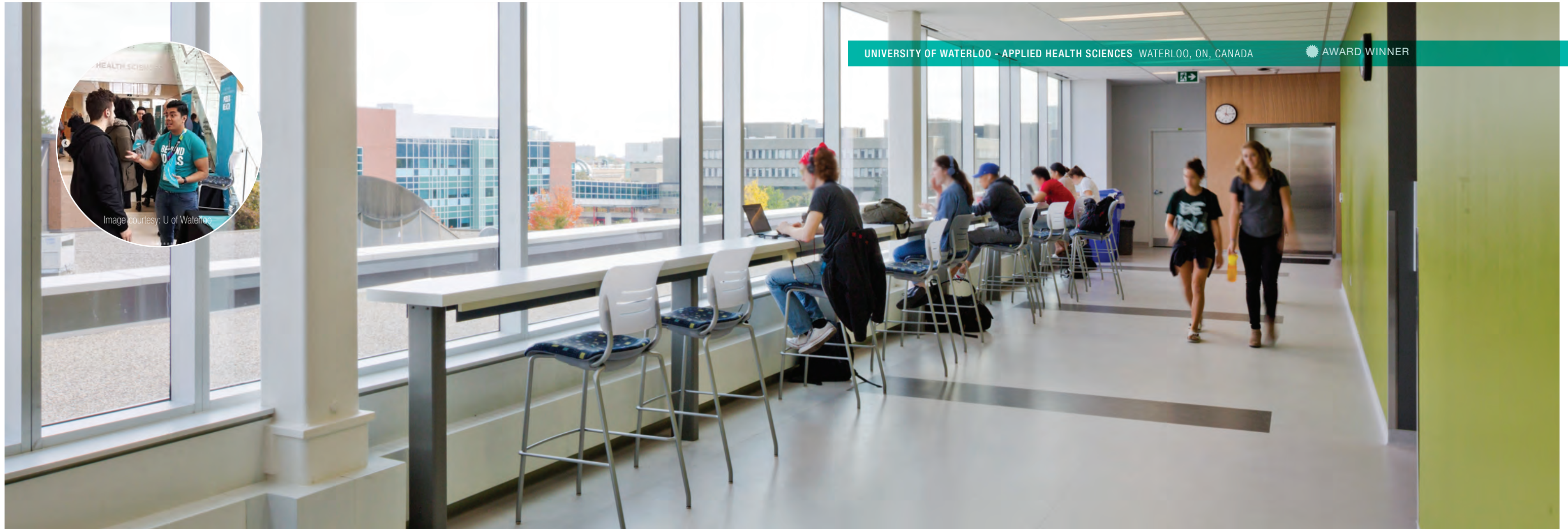
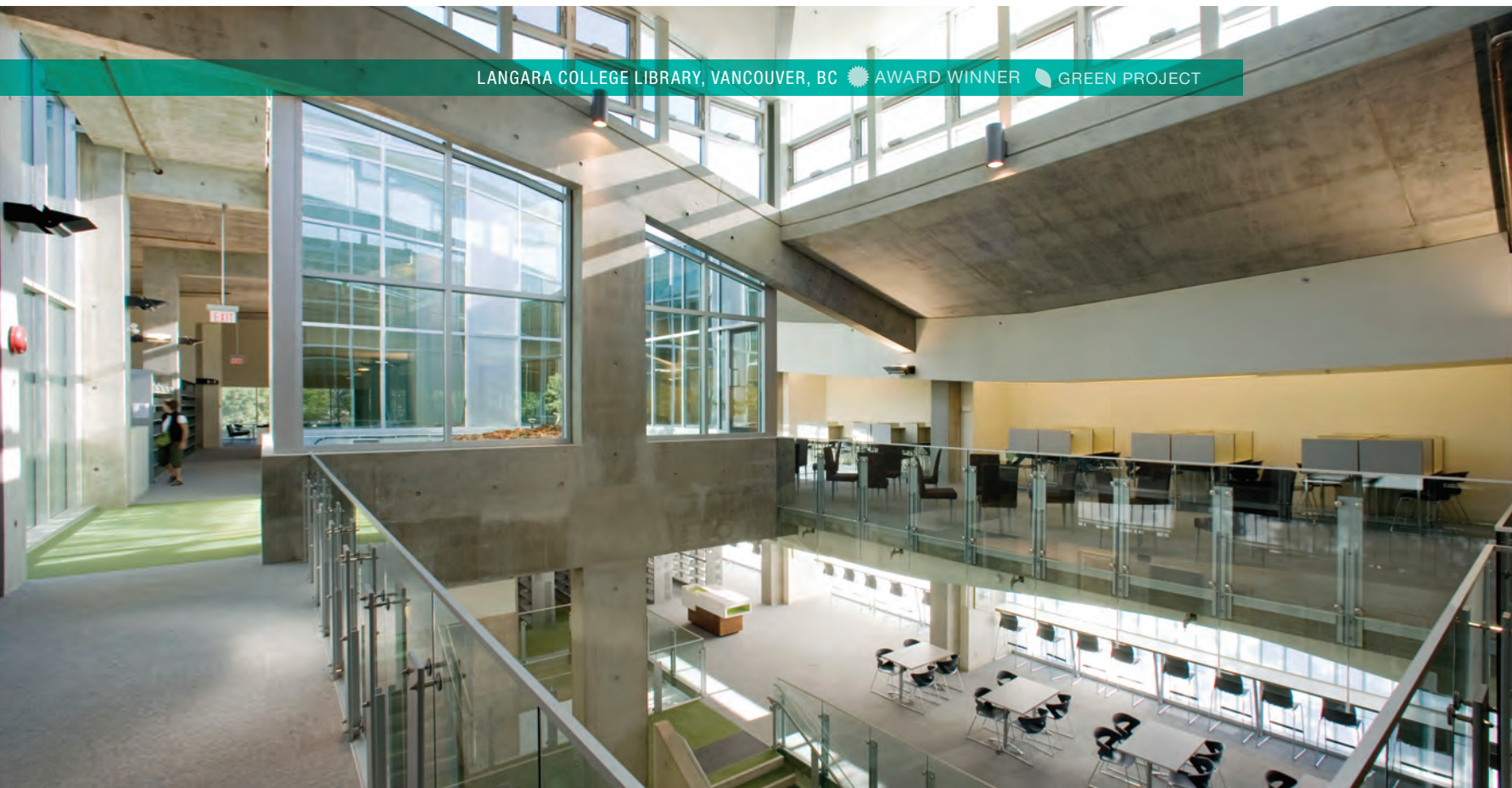


Image courtesy: U of Waterloo



CALIFORNIA STATE UNIVERSITY SCIENCE COMPLEX, LOS ANGELES, CA



LANGARA COLLEGE LIBRARY, VANCOUVER, BC  AWARD WINNER  GREEN PROJECT



BINGHAMTON UNIVERSITY APPALACHIAN CENTER, BINGHAMTON, NY

THE ABRAHAM JOSHUA HESCHEL SCHOOL NEW YORK, NY, USA AWARD WINNER GREEN PROJECT



Photo by Paul Warhol

CORNELL UNIVERSITY SCHOOL OF HUMAN ECOLOGY ITHACA, NY, USA



Image courtesy of Cornell University

UNIVERSITY OF CALGARY CHILDHOOD CANCER RESEARCH FACILITY CALGARY, AB, CANADA



Research and Innovation-oriented

The transformative discoveries of the future will be found in different ways than in the past.

A challenge for universities today is how to innovate, rather than just invent. In the past, the glory of research was an individualized effort that rarely led to collaboration and team involvement. However today, there is a greater focus on teamwork and collaboration in research. Universities, in turn, are focusing on inter-disciplinary, project-based research and are in desperate need of new facilities to support this change. Learners are now consumers who bring funding with them when they attend university. Students want more than just value for money in terms of courses; they want opportunities for volunteering and social good as well as developing skills in critical thinking. In the context of this, the role of space and place is seen as more important than ever. The places in which people meet is where they collaborate in order to solve real life problems. From the campus level to each individual building on a campus, the key is to design spaces for inter-disciplinary collaboration located in cities where the population and policy-makers are actively engaged with the university community. Through the incorporation of hack spaces, incubators, foundries, cafés, and places for students and researchers to interact and collaborate, we are creating a connected campus that fosters real life research and problem solving for learners.



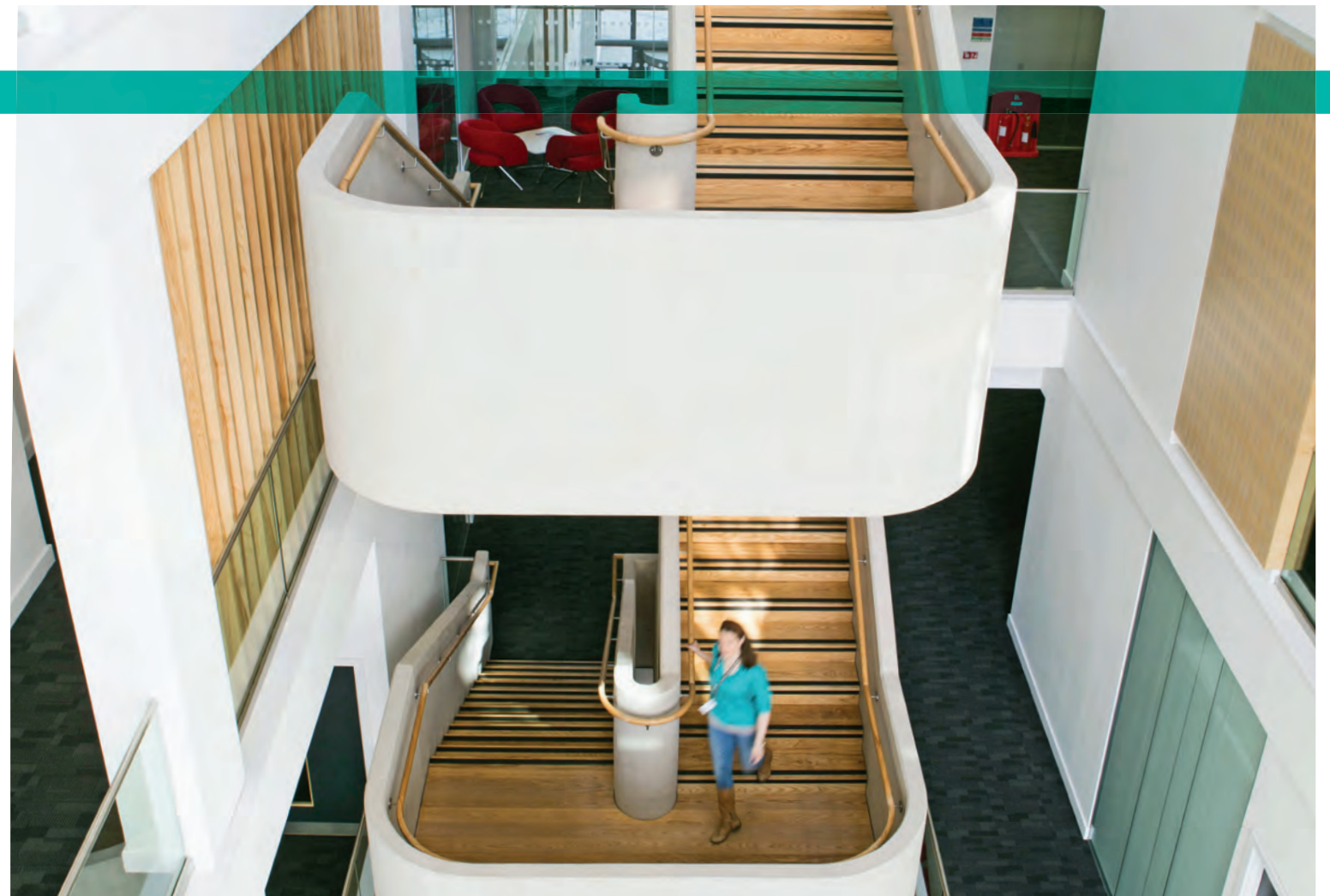
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UNIVERSITY OF CALGARY – CHILDHOOD CANCER RESEARCH PROGRAM(CCRP) CALGARY, AB, CANADA



COOPER UNION FOR ADVANCEMENT OF SCIENCE & ART – ACADEMIC & LABORATORY BUILDING NEW YORK, NY, USA In Association with Morphosis AWARD WINNER GREEN PROJECT



UNIVERSITY OF OXFORD – INSTITUTE OF RHEUMATOLOGY, OXFORD, ENGLAND, UK AWARD WINNER



DR. KIRK LEWIS CAREER & TECHNICAL HIGH SCHOOL HOUSTON, TX, USA

AWARD WINNER

GREEN PROJECT



CORNELL UNIVERSITY – HUMAN ECOLOGY BUILDING ITHACA, NY, USA

AWARD WINNER

GREEN PROJECT



Community Engaged

Synergies, partnerships, diversity and inclusion, and campus spirit.

The current generation of students demand a new learning paradigm that offers opportunities for work and real-life experience; it must provide project-based learning to put theory into practice; and it must foster connections with the communities of varied nature and scale. Highly motivated, fiercely talented, and sincerely engaged with the world around them, today's students are redefining the centrality of community as part of a meaningful education. Whether seeking purpose through community engagement that spurs innovative research and programming, examining individual/group identity within the context of a fast-changing world, or expanding the boundaries of community to support inclusion, this focus is reshaping how educators and designers operate. Furthermore, the critical relationship between community and holistic wellbeing - and its impact on learning - is causing us to rethink space, pedagogy, and curriculum. When holistically examined, these three elements cannot be separated from each other, and together, shape student experience and campus culture.



FLUID AND HANDS ON

TECHNOLOGY INFUSED

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BUILD RESILIENCE





BROCK UNIVERSITY – INTERNATIONAL CENTRE ST. CATHERINES, ON, CANADA



SAN JACINTO COLLEGE – MARITIME TECHNOLOGY AND TRAINING CENTER HOUSTON, TX, USA





ALGONQUIN COLLEGE – ROBERT C. GILLET STUDENT COMMONS OTTAWA, ON, CANADA
In Association with Teeple Architects AWARD WINNER GREEN PROJECT



BINGHAMTON UNIVERSITY – APPALACHIAN CENTER, BINGHAMTON, NY, USA



Build Resilience

The transformative experiences of the future will be found in different ways than in the past.

A challenge for universities today is how to stay relevant to the regional economy and to the goals for lifelong learning by constantly being innovative. In the past, the glory of innovation through research was an individualized effort that rarely led to collaboration and team involvement. However today, there is a greater focus on teamwork and collaboration in research. Universities are focusing on inter-disciplinary, project-based research in all fields and need of new and refreshed facilities to support this change. Learners are now consumers who bring funding with them when they attend university. Students want opportunities for volunteering and internship as well as developing skills in critical thinking. In this context the role of space and place is seen as more important than ever. People collaborate where they meet; its where they ideate and solve real life problems. From the campus level to each individual building, the key is to design spaces of intersection for interdisciplinary collaboration where communities and policy-makers are actively engaged with the university. Through the incorporation of hack spaces, incubators, foundries, cafés, and places for students-researchers and external partners to interact and collaborate, IBI Learning+ is creating a connected campus that fosters real life research and problem solving for learners.





BINGHAMTON UNIVERSITY – O'CONNOR & JOHNSON HALLS BINGHAMTON, NY, USA



SENSOR CITY LIVERPOOL, ENGLAND, UK AWARD WINNER



UNIVERSITY OF MASSACHUSETTS – QUAD, DARTMOUTH, MA, USA



UNIVERSITY OF WATERLOO – HEALTH SCIENCES CAMPUS KITCHENER, ON, CANADA
In Association with Hariri Pontarini

AWARD WINNER

CARDIFF UNIVERSITY – BRAIN RESEARCH INSTITUTE CARDIFF, UK

AWARD WINNER

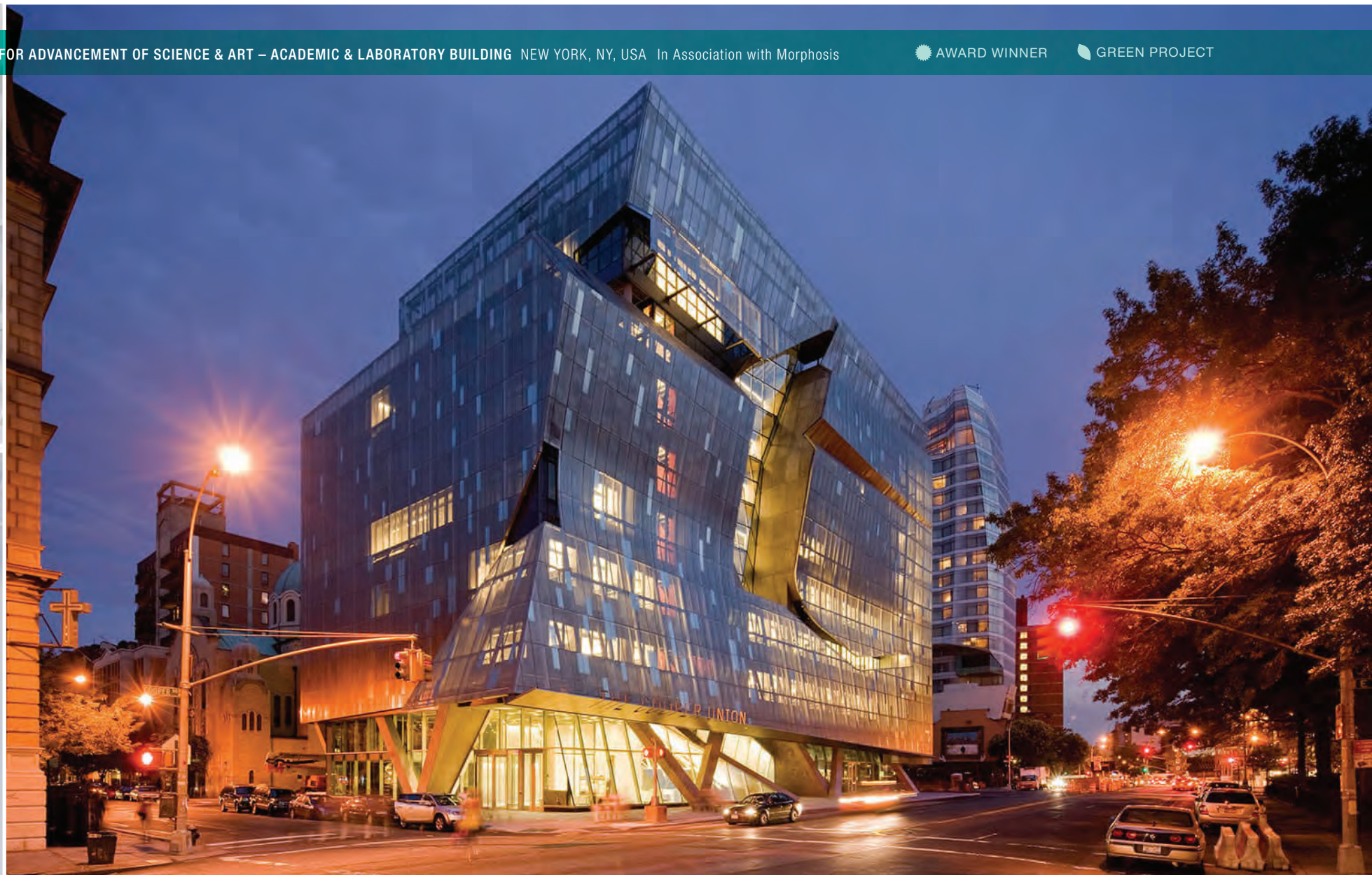
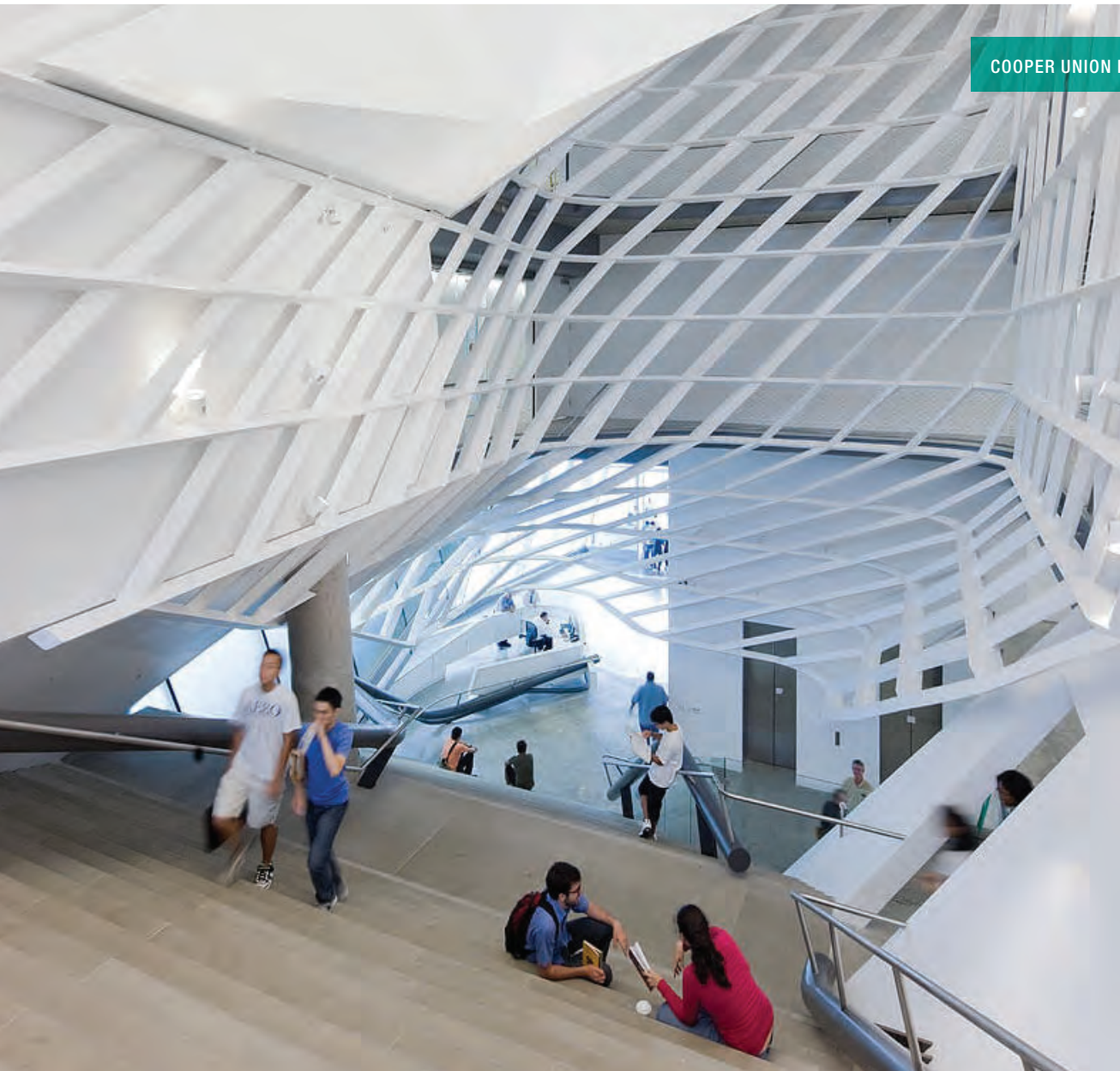
GREEN PROJECT



COOPER UNION FOR ADVANCEMENT OF SCIENCE & ART – ACADEMIC & LABORATORY BUILDING NEW YORK, NY, USA In Association with Morphosis

AWARD WINNER

GREEN PROJECT



Spatial experience informs lifelong learning.

Embracing change begins with understanding how we learn across multiple phases in life.

K-12 school experiences are the foundation upon which post-secondary learning experiences are built. Beyond core subject matters, at school, students develop skills related to problem solving, autonomy and social-emotional learning.

As the knowledge-based economy evolves and impacts post secondary education, increasing, institutions are tasked with sparking curiosity, engaging with critical thinking and interdisciplinarity, and promoting agility such that students develop enduring abilities to learn and evolve. With the core belief that the environment is the third teacher, we partner with institutions to shape campus environments that enable discovery and foster lifelong learning.



The Learning-Living Continuum extends to the campus

PLACEMAKING

IBI Group's highly acclaimed landscape, urban design and planning teams seamlessly extend good design to generate positive learning outcomes through student wellbeing. Based on the principles of health and wellbeing, encouraging collaboration, the impact of technology, the internal and external environment, adaptable places and spaces, designing for introverts and extroverts (and everyone in between), lifecycle focus, affordability, deliverability and evidence-based solutions and principally understanding, engaging and challenging the brief to develop a building or campus that delights.



Invested in Transformation.

IBI THINK is responsible for encouraging, capturing, and developing the intellectual capital vested in IBI Group's projects, people, and processes.

Transformation begins when educators come together to create change for the best interests of their communities. We've seen this change manifest in custom solutions such as pre-kindergarten centers, dual enrollment offerings, university online courses, and urban schools located within innovation districts, just to name a few. Being truly invested in transformation, our team brings a depth and breadth of global project experience to our own local communities in order to create unique learning opportunities for students.



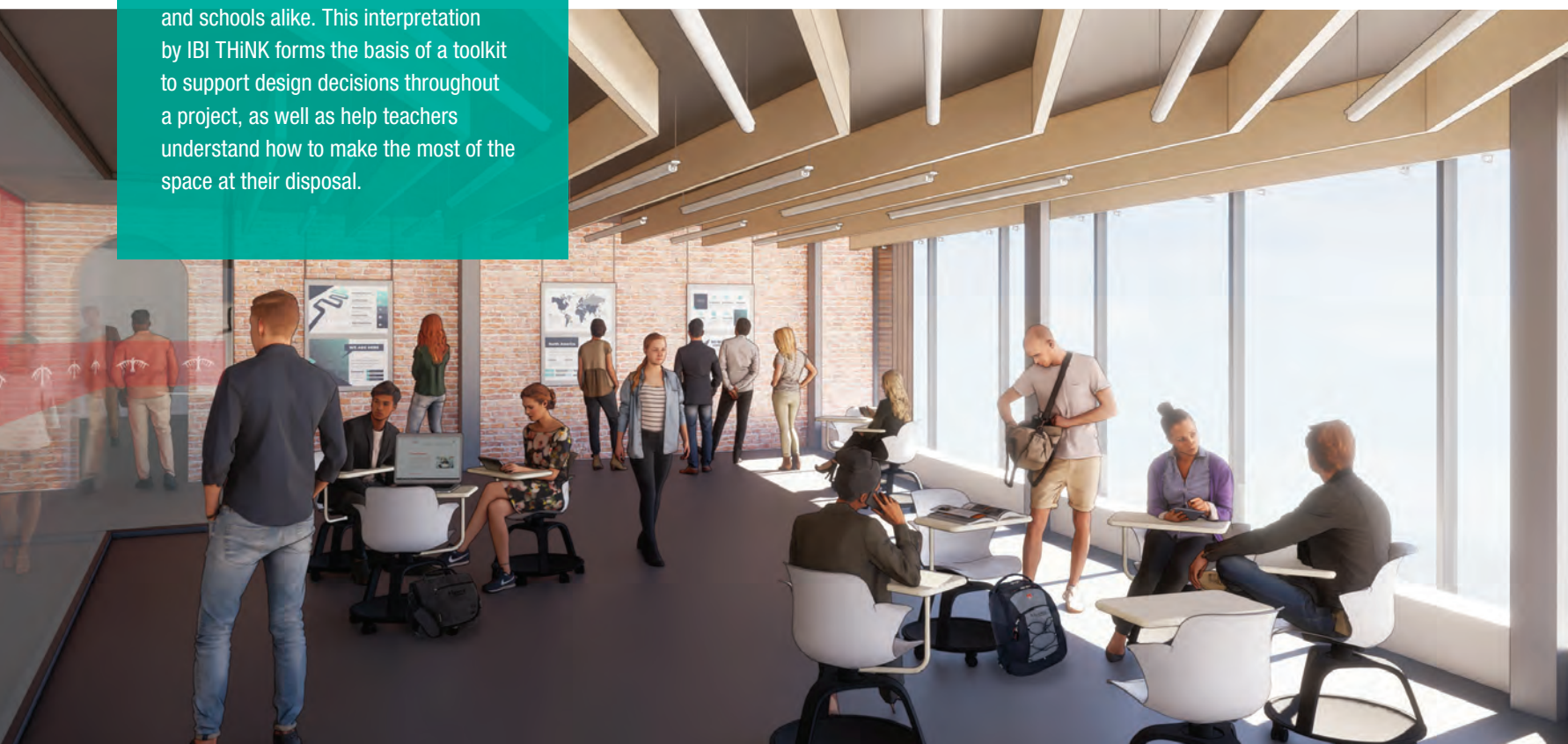
Industry Advancements by IBI Learning+

CLEVER CLASSROOMS RESEARCH

In collaboration with Salford University and facilitated by the support of Blackpool Local Authority, our team explored if school building design has demonstrable impacts on the learning rates of students in primary schools. This pilot study extends our understanding of the impact of the built environment on learning.

The study has provided promising results indicating that the classroom environment has a significant impact on academic progress. Initial findings highlighted six of ten key factors which are related to both design and the use of the classroom. Most of these could equally relate to refurbishment projects and new builds, resolving existing problems with limited available budgets.

Interpreting the findings in terms of the design process and the considerations at different stages will help designers and schools alike. This interpretation by IBI THINK forms the basis of a toolkit to support design decisions throughout a project, as well as help teachers understand how to make the most of the space at their disposal.





At IBI, we bridge the gap between design and technology.

Technology is changing how learners engage with the built environment and what they expect from their education.

WHAT'S THE + IN LEARNING+?

We are living in the age of intelligent processes and artificial neural networks. IBI creates connected schools in order to provide equitable and ubiquitous access to data for parents, teachers, and students. With an expert knowledge of predictive analytics, Software as a Service (SaaS), and information exchange, we embed solutions into our design in order to create better learning experiences.



Recent Awards and Recognition

Cornell University, Human Ecology Building • New York State AIA Design Award for Merit

Ryerson University, Student Residence • Best Building 2018, High-Rise Urban Toronto

Cardiff University, Brain Imaging Research Centre • RICS Project of the Year; RCIS Award Design through Innovation; S-Labs Award - Best Lab of the Year; Guardian University Awards - Buildings that Inspire

John Moores University, Liverpool Sensor City • Liverpool Building of the Year; Spaces Award NW Construction

York University, Schulich School of Business • Governor General's Award for Architecture (joint venture with Hariri Pontarini Architects)

Algonquin College, Student Commons Building • Award of Excellence Canadian Design-Build Institute; Urban Design Award of Merit, City of Ottawa / Joint venture with Teeple Architects

Cardiff University, Hayden Ellis Building • BREEAM Higher Education Award; RCIS Award Design through Innovation; Green Apple Award for the Built Environment

University of Waterloo, School of Pharmacy • Ontario Association of Architects, Design Excellence Award/ Joint venture with Hariri Pontarini Architects

University of Waterloo, Applied Health Sciences • Grand Valley Construction Association Building Excellence Award

University of Liverpool Digital Innovation Factory • BREEAM Excellent

Wakefield College • Highly commended in the Best Refurbishment, Wakefield Civic Society Awards

West Valley College, Campus Center Modernization • People's Choice Award, AIA Santa Clara Valley

Mohawk College, The Learning Exchange • Award of Merit in Architecture & Sustainability; City of Hamilton

Cooper Union - 41 Cooper Square • AIANY Design Award/ Joint venture with Foster and Partners

Langara College Library • Canadian Architect Award of Excellence; North America Holcim Award/ Joint venture with Teeple Architects

University of Bolton - Bolton One • Building Excellence Award - Community Buildings; Finalist - Best Future Healthcare Design Concept

IBI LEARNING+

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IBI Group is a global team of dedicated and experienced architects, engineers, planners, designers, and technology professionals who share a common desire – to help our clients create livable, sustainable, and advanced urban environments.

IBI has over 60 offices located in major urban centers across North America, the Caribbean, Europe, Middle East, and Asia.

SECTORS

INTELLIGENCE

SOFTWARE
SYSTEMS DESIGN
SYSTEMS INTEGRATION

BUILDINGS

ARCHITECTURE
INTERIOR DESIGN
MECHANICAL, STRUCTURAL, AND ELECTRICAL ENGINEERING

INFRASTRUCTURE

CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
PLANNING
TRANSPORTATION
URBAN DESIGN