

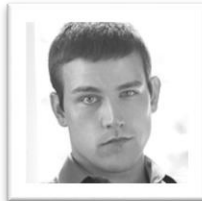
University Innovation Fellows

University of Massachusetts Lowell

Spring 2014 | Fall 2014 | Spring 2015

Ana Gouveia, Civil Engineering, Graduate
Kevin Desjardins, Civil Engineering, Senior
Kyle Pitocchelli, Business, Senior

FELLOWS



Advisor:



Tom O'Donnell

Visiting Faculty,
Innovation & Entrepreneurship,
Manning School of Business

Spring 2014:

50% turnout

- Ana Gouveia, Civil Engineering, Graduate
- Kevin Desjardins, Civil Engineering, Senior
- James and Jacob

Fall 2014:

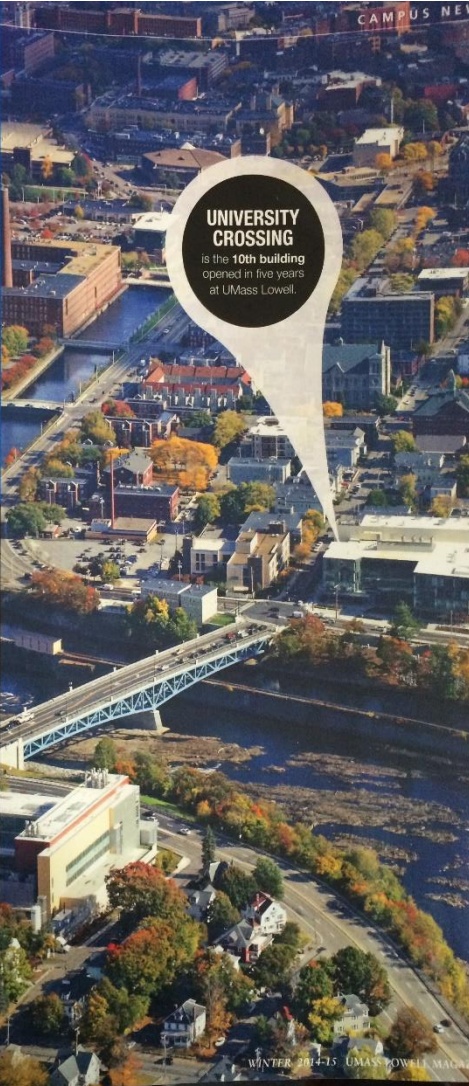
50% turnout

- Kyle Pitocchelli, Innovation & Management, Senior
- Jennifer

Building a Sustainable Model Prospective Cohort:

- ❖ Mike McCormack, Mechanical Engineering, Sophomore
- ❖ Jake Fein, Mechanical Engineering, Sophomore
- ❖ Rose Greeley, Mathematics, Junior

UMASS LOWEL ON THE NEWS:



10 BUILDINGS 5 YEARS

UNIVERSITY CROSSING is the 10th building opened in five years at UMass Lowell.

UNIVERSITY CROSSING is the 10th building opened in five years at UMass Lowell, which has aggressively grown its academic and research facilities and student residence halls to accommodate nearly a 50 percent increase in enrollment over the last seven years. In the fall, for the first time in the university's history, total enrollment topped 17,000 and the undergraduate population numbered more than 10,000. The 10 buildings are:

1. Tsongas Center at UMass Lowell
2. UMass Lowell Inn & Conference Center
3. North Campus Parking Garage
4. Mark and Elisia Saab Emerging Technologies and Innovation Center
5. Health and Social Sciences Building
6. South Campus Parking Garage
7. Riverview Suites
8. University Suites
9. Charles J. Hoff Alumni Scholarship Center
10. University Crossing
- Coming Soon: Pulichino Tong Business Building

WINTER 2014-15 UMMASS LOWELL MAGAZINE

A SUSTAINABLE CAMPUS

Here's some interesting arithmetic: Take the population of Massachusetts (6.5 million) and divide it by the number of cities and towns in the state (351). What do you get? About 18,000. That's about the population of UMass Lowell. With over 17,000 students, nearly 2,000 faculty and staff, and over 100,000 visitors daily, the campus is a mid-sized town.

And that means a lot of energy consumed and a lot of waste generated, 4,000 of those students living on campus.

A problem? Well, yes. But with its innovative spirit and wide range of environmental and public policy expertise, the university community has turned a challenge into an opportunity. And, as of Jan. 1, it established the Office of Sustainability.

The university's ambitious plan to reduce consumption and greenhouse gas emissions includes several programs already underway. These programs will help the university budget and help graduate environmentally aware and skilled students.

(A) CLIMATE CHANGE INITIATIVES: THE DRIVING FORCE. Is it possible for the campus to bring its contribution to greenhouse gases to zero by year 2050? Yes. UMass Lowell signed on to the American College & University Presidents' Climate Commitment in 2012, pledging to do just that. The plan is an overarching, multi-pronged effort that includes dramatic changes to how the university consumes energy and integrates

(C) CHARGE IT! The university has become a smooth operator thanks to a pair of regional grants. The Department of Environmental Engineering and the Massachusetts Electric Vehicle Charging grant will fund the installation of three new charging stations on campus. The second

RANKING: SECOND-FASTEST RISE IN NATION!

Five years ago, UMass Lowell was named a TOP-TIER NATIONAL UNIVERSITY for the first time by U.S. News & World Report. In the 2015 National Universities rankings, UMass Lowell rose to no.156 and is one of only six institutions to advance in the standings every year since 2010. The university's 27-spot climb over the past four years is tied for the second-fastest rise in the nation.

27 SPOT CLIMB!

2014-2015 SCHOOL YEAR BREAKS RECORDS

In addition to the 10 new buildings, the 18 Division I sports teams and the multimillion-dollar jump in research expenditures, UMass Lowell is seeing increases across all student measures. In fact, the university is hitting several all-time highs in the 2014-15 school year.

ENROLLMENT: 17,000+ (up 50 percent since 2007)	FRESHMAN RETENTION RATE: 84% (an all-time high)	INTERNATIONAL STUDENTS: 1,300 (up from 300 in 2008)	STUDENTS LIVING ON CAMPUS: 4,000 (more than ever before)	HONORS STUDENTS: 900+ (up from 298 in 2008)
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WINTER 2014-15 UMMASS LOWELL MAGAZINE

CAMPUS LANDSCAPE



DIFFERENCE MAKERS



SLICE



**M2D2
& MORE**



String Project
Goal: \$3,000
Raised: \$705

How can you help teach 400 kids to play string instruments? Give the gift of sheet music. Your gift of \$8, \$17, or \$35 can help the String Project build a sustainable music library for current and future students.

[GIVE NOW >](#)

[READ MORE>](#)



Cool Science
Goal: \$3,500
Raised: \$68

Climate change is happening—public awareness can help! Your \$13 gift allows the Cool Science project team to feature a winning student's artwork on climate change on the Lowell Regional Transit Authority buses.

[GIVE NOW >](#)

[READ MORE>](#)

HAWK HATCH

Office of Commercial Ventures and Intellectual Property

Home > Research > Industry Collaboration

The Office of Commercial Ventures and Intellectual Property (CVIP) helps the public benefit from University research by moving innovative technologies from University laboratories to businesses ranging from start-ups to multinational corporations. CVIP-generated revenues help to sustain the University's mission of scientific research and economic development.

News	Events	Quick Links
<p>Researchers to Teach Chinatown Residents on Risks of Highway Pollution</p>	<p>JAN 27 PULSAR Team Seminar</p> <p>JAN 28 Nano Center Student Weekly Meeting</p> <p>JAN 30 LoCSST Research Talks and Discussions</p>	<ul style="list-style-type: none"> Available Technologies Invention Disclosure Form Staff Directory
<p>Researchers Get \$5.6M Grant to Study Planets</p>		
<p>Students Create a 'Solar-Electric Taxi'</p> <p>More News ></p>		

CVIP

INSPIRE

Fall 2014 – *Creating Momentum*

- First team interested in starting club formed
- New Undergraduate Club Form Submitted
- Weekly Meetings on Wednesday Evenings
- Lowell Community Support
- Social Media & Club Sign-Ups Started
 - Google Hangouts; YouTube Channel

(As shown on picture)

Highlights:

Value Proposition: Cross-campus partnership
Interdisciplinary activities
Sparking student leadership

Network Growth: 100 members

Club Status: Approved

INSPIRE

Inspire's YouTube videos

Videos shared publicly in Inspire's [YouTube channel](#).



The power of technology



Meeting 3



Leadership, Networking, Communicati...



Night Talks: Creating Momentum

(<https://www.youtube.com/channel/UChNEx1hQ-rgoEnIRE99Z44Q>)

INSPIRE

Spring 2015 – *Building a Sustainable Model*

- **Attracting Like-Minded Peers:** Prospective Fellows & Leaders
- **Continuing engagement with student body**
 - Difference Makers Hangouts
 - University Crossing Monthly Meetings
 - Social Media Interaction
- **Collaborating with campus organizations**

Goals

Network Growth: 500 members

Club Activities: Fundraising, Volunteering Activities,
Co-sponsored events and activities, field-trips,

Innovation News: Special column written by students about I&E
for ***The Connector***, UMass Lowell newspaper.

Hackathon: Our team plans to offer a 24-hour hackathon;

University Crossing



INSPIRE

QUESTIONS?