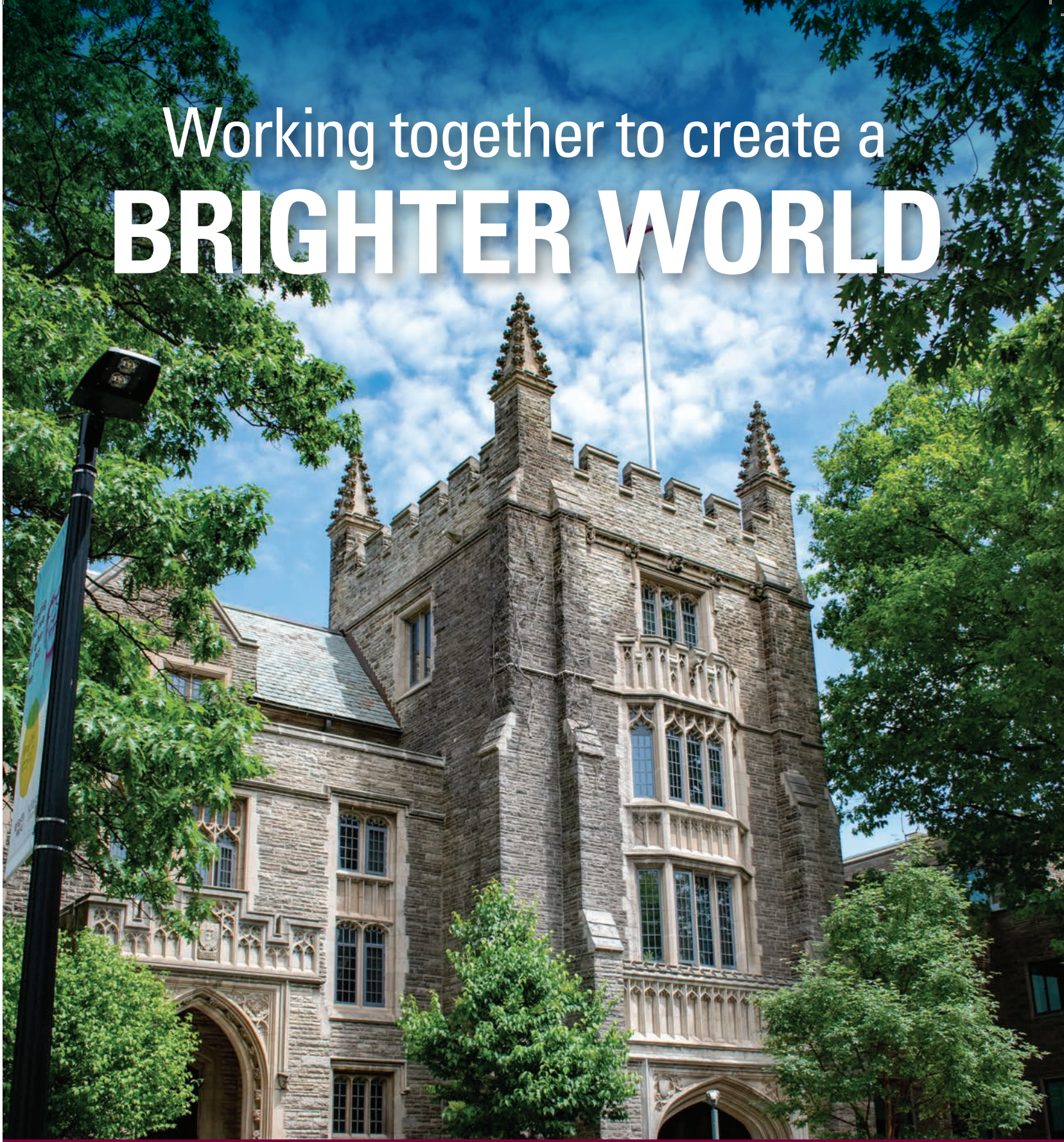


Working together to create a  
**BRIGHTER WORLD**



McMaster  
University 

**BRIGHTER**  
**WORLD**

**Top 40 in the world**

Times Higher Education  
2023 Impact Rankings

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# The **McMaster Model** for Global Engagement



*McMaster's values-based internationalization strategy is anchored on principles of global social responsibility. We aim to contribute to creating a brighter world through collaborative international partnerships that address global challenges. Our approach centres on building mutually beneficial relationships founded on trust, equity, sustainability and reciprocity.*

**Bonny Ibhawoh**, Vice-Provost, International Affairs  
McMaster University

## **Our principles of global engagement:**



McMaster's model of transformation focuses on mutual cooperation, the sharing of expertise and a deep commitment to the values of global citizenship.

## **About McMaster's Office of International Affairs:**

The Office of International Affairs is an initial contact point if you represent a university, governmental or international organization outside of Canada interested in establishing a formal agreement relating to: Student Exchange, Student Mobility, Research Internship, Cotutelle/Co-Supervision, Faculty Exchange, Pathways Programs, Short-term Training, Virtual Exchange/COIL, Research Collaboration, or other types of Strategic Partnerships.

**BRIGHTER WORLD**

[brighterworld.ca](http://brighterworld.ca)

# McMASTER by the numbers:



**32,174**

UNDERGRADUATE students

**5,363**

GRADUATE students



**229,286** ALUMNI from **147** countries

**17.5%** of all McMaster students are  
INTERNATIONAL STUDENTS from  
**125** countries



**\$374.6 million**  
total sponsored research income

Average RESEARCH INCOME

**\$74,200**  
per graduate student

**\$419,000**  
per faculty member



**992**

Full-time FACULTY

**SIX**

FACULTIES

**25**

Direct entry PROGRAMS



**86**

Canada Research  
CHAIRS

**13**

Endowed  
PROFESSORSHIPS

**111**

ENDOWED chairs

# McMASTER'S AREAS OF STUDY

## DeGroote School of Business

Committed to interdisciplinary research and the advancement of knowledge across management disciplines, the DeGroote School of Business is training the next generation of leaders by ensuring research is driven by issues relevant to society.

••••

## Engineering

With a well-established reputation as one of Canada's most research-intensive faculties, McMaster Engineering is pushing the boundaries of discovery and exploring novel, ground-breaking technologies.

••••

## Health Sciences

As the birthplace of problem-based learning and evidence-based medicine, the Faculty of Health Sciences at McMaster is a world-renowned program with a storied history of creating leaders in health, research and industry.

••••

## Humanities

As a research-focused and student-centered faculty, McMaster Humanities brings artistic, historical, critical and philosophical reflection to bear on culture and the communities in which we work and live.

••••

## Science

Research excellence and discovery are at the heart of McMaster's Faculty of Science, an innovative, collaborative and interdisciplinary faculty committed to pushing the boundaries of knowledge and training the next generation of researchers.

••••

## Social Sciences

Home to some of the world's most accomplished researchers, McMaster's Faculty of Social Sciences is on a mission to ask challenging questions, pursue understanding and create a sustainable, just society.



Learn more about the  
faculties that make up  
McMaster University.

**BRIGHTER WORLD**

[brighterworld.ca](http://brighterworld.ca)

# Working together to train future leaders

**95% of students**  
participate in  
experiential learning

....

## Collaborating on out-of-this-world learning experiences

Over the course of eight years, **more than 150 McMaster students and researchers** built a satellite designed to measure harmful radiation and make space travel safer. And with the help of **NASA, SpaceX** and the **Canadian Space Agency**, they launched it into space this spring.



**Angela Tollis,**  
McMaster student

**Andrei Hanu,** Adjunct Assistant  
Professor, Physics and Astronomy

**Taren Ginter,**  
McMaster graduate



Business professor **Benson Honig** co-created the Reframery, a virtual incubator that provides entrepreneurial training to multigenerational refugees and marginalized individuals around the world.



**Bonny Ibhawoh** is the principal investigator for Participedia.net, a global network and crowdsourcing platform for anyone interested in public participation and democratic innovations.



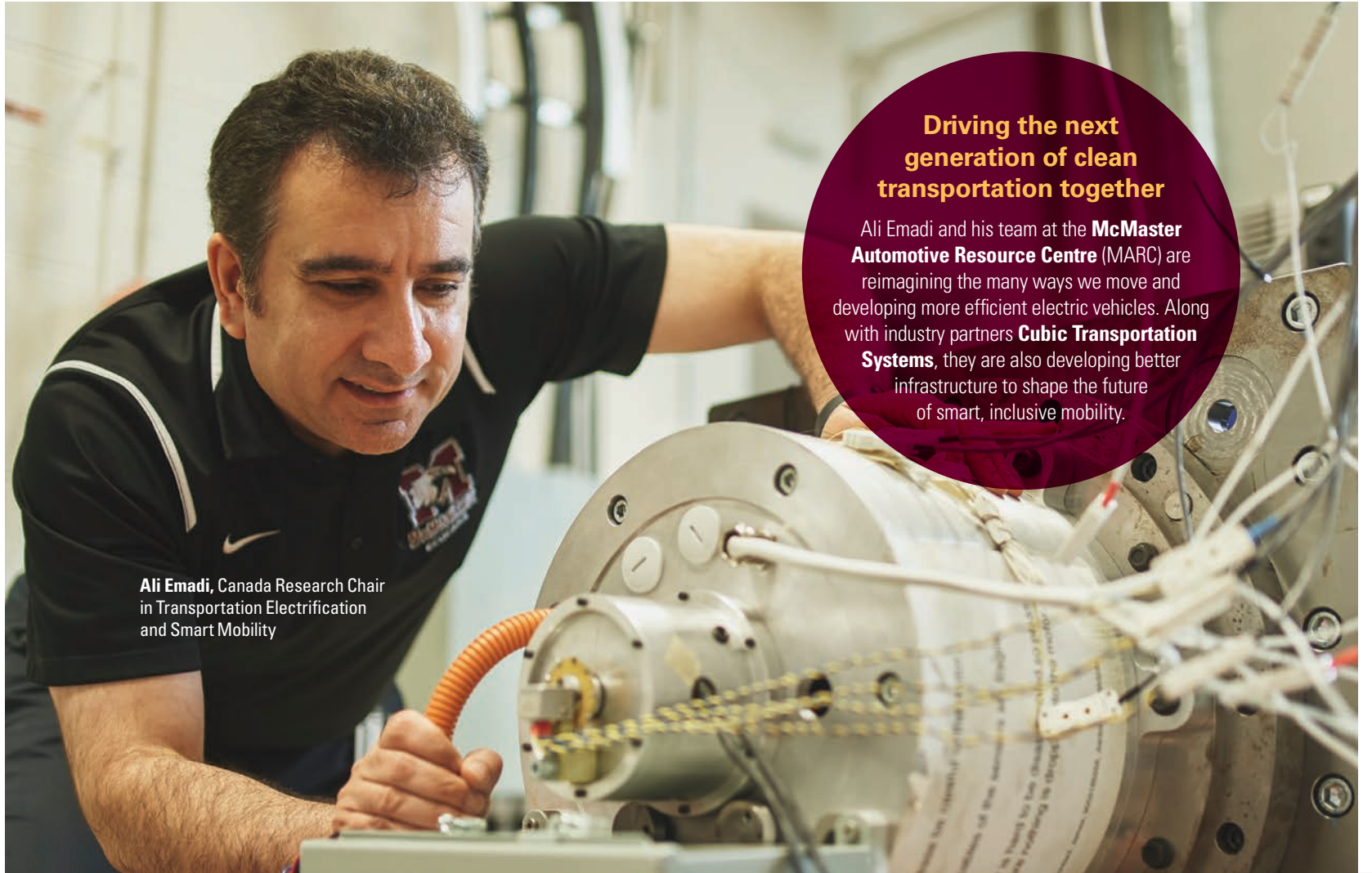
In partnership with Virtualware, **McMaster Engineering** students are leveraging virtual reality tech to push educational boundaries and improve accessibility in mass transit systems.

**Ranked among the top 100 universities**

ShanghaiRanking's Academic Ranking of World Universities 2023

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# Teaming up to create a sustainable world



**Ali Emadi**, Canada Research Chair in Transportation Electrification and Smart Mobility

## Driving the next generation of clean transportation together

Ali Emadi and his team at the **McMaster Automotive Resource Centre (MARC)** are reimagining the many ways we move and developing more efficient electric vehicles. Along with industry partners **Cubic Transportation Systems**, they are also developing better infrastructure to shape the future of smart, inclusive mobility.



Experts from the **McMaster Nuclear Reactor** are working with a team of researchers from the Technical University of Munich to tackle the future of clean energy together.



Energy experts **James Cotton** and **Jeffrey Girard** founded HARVEST, a startup aiming to decarbonize the food industry with their fuel-less, carbon-free water heating system.



Earth system scientist **Alemu Gonsamo** and World Wildlife Fund Canada are studying land carbon cycle to help curb biodiversity loss and address climate change.

**BRIGHTER WORLD**

[brighterworld.ca](http://brighterworld.ca)

**1<sup>st</sup> in North America**  
for SDG 3: Good Health and Well-Being  
Times Higher Education Impact Rankings 2023



# Partnering to create a healthy world

## Teaming up to discover new antibiotics

Antibiotic resistance is responsible for more than 1.2 million deaths per year. Working alongside researchers from **Massachusetts Institute of Technology**, Jon Stokes and his students used artificial intelligence to discover a new antibiotic capable of fighting drug-resistant bacteria.



**Gary Liu,**  
graduate student

**Jon Stokes,**  
Assistant Professor,  
Biochemistry & Biomedical Sciences

**Denise Catacutan,**  
graduate student



The **McMaster Health Forum** uses the best-available research evidence, as well as lived experiences and insights, to tackle the most pressing health and social issues of our time.



McMaster's **Global Nexus School for Pandemics Prevention & Response** is an international innovation hub that is working on evidence-based solutions to infectious diseases that people can trust.



McMaster pediatrics researcher **Narendra Singh** is helping transform maternal and neonatal care in his native Guyana through his organization Giving Health to Kids.

# Creating a brighter world together



*At McMaster, we're finding solutions to the biggest threats our world faces. But we can't do it alone. That's why our experts are partnering with researchers and institutions around the world to meet the challenges the world faces with optimism, hope and resilience. Because the discoveries we make today can build a brighter world for tomorrow.*

**David Farrar**, President and Vice-Chancellor, McMaster University



**1st in North America**  
for SDG 3: Good Health  
and Well-being

....



**12th in the world**  
for SDG 1: No Poverty

....



**Top 40 in the world**  
for Clinical and Health

....



**3 Nobel Laureates**  
from McMaster

....



**McMaster University**  
Hamilton, Ontario, Canada

Learn more about  
McMaster's  
global impact.



International  
Affairs

**Contact Info:**  
[oia@mcmaster.ca](mailto:oia@mcmaster.ca)  
[global.mcmaster.ca](http://global.mcmaster.ca)