



McMaster
Materials Society

MATLS HACKS

FEBRUARY 20, 2022



ASM
INTERNATIONAL

Ontario Chapter

McMaster
University 

ENGINEERING
Materials Science
& Engineering

Dear valued community partner,

The McMaster Materials Science & Engineering (MSE) Society is proud to host this first ever Materials Hackathon (MATLS Hacks) on February 20, 2022. In this event, groups of students will be working on a series of materials challenges for 24 hours to present and create a report on the challenge providing their own unique answer/solution.

"The event will provide an excellent accessible avenue for current and prospective materials students of all levels of expertise to complete a materials engineering challenge, and interact with materials faculty, and industrial partners."

- Dr. Hatem Zurob, Chair, McMaster Department of Materials Science and Engineering



ENGINEERING
Materials Science
& Engineering

"MATLS Hacks provides a unique scope in outreaching to potential materials students, and acts as an avenue for supporting students interested in advancing materials technologies through interaction and collaboration. ASM has historically supported initiatives to expand materials education and research through experiential, and holistic learning approaches, in order to foster the next generation of innovative materials scientists and engineers."

- Dr. Abdallah Elsayed, Assistant Professor, University of Guelph Engineering, Chapter Chair, ASM Ontario



Our students are committed to pushing the limit of everyday materials to forge a brighter future. On behalf of the MSE Society and the MATLS Hacks team, we thank you for your support in this exciting event, and we look forward to working with you on connecting you with future materials engineers.

Thank You,



McMaster

Materials Society

Event Breakdown

First Year Challenge



First year students will be challenged to design their own Human Powered Vehicle utilizing materials selection, CAD, and FEA design.

Forensic Engineering/Failure Analysis Challenge



Students will investigate failure of different materials and recommend improvements to design and material selection.

Networking Opportunities



Matls Hacks supporters will have the opportunity to host events before and during the hackathon

Why sponsor Matls Hacks?

Outreach

Network and connect with diverse Materials students across Canada

Interact

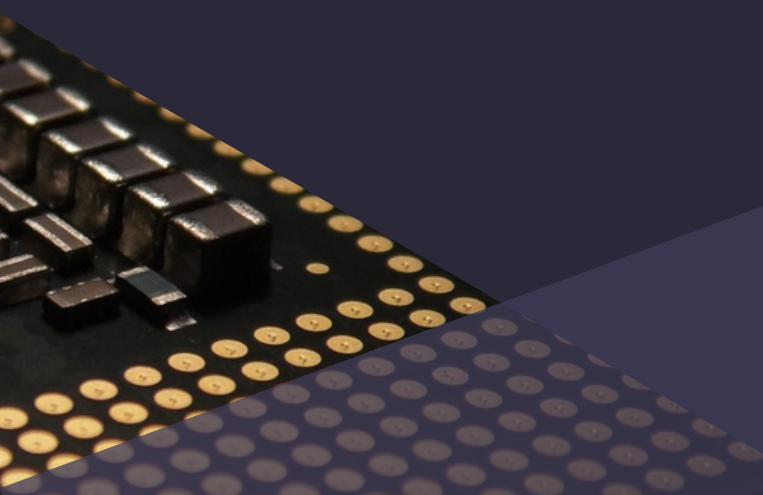
By sponsoring us, you can host events, hold workshops, and work with students on challenges to increase engagement with the next generation of materials engineers.

Promote

Endorse your own initiatives and values. Engage prospective co-op hires and showcase materials opportunities.

Support

Be a contributor to a first of its kind materials science & engineering competition



Sponsorship Tiers

	\$1000	\$750	\$500	\$250	\$100
Opening/Closing Ceremony Keynote	X				
Resume List	X				
Pre/Post-Event Workshop	X	X			
In-Event Workshop	X	X			
Industry Tour (Optional)	X	X			
Social Media Spotlight	X	X	X		
Sponsored Hacker Activity	X	X	X	X	
Company Swag In Hacker Bag	X	X	X	X	
Logo on Promotional Material, Attendee Package	X	X	X	X	X
Networking Opportunities, Additional Event-long Chat Rooms	X	X	X	X	X
Attendee Package, Website Feature	Full Page	1/2 Page	1/4 Page	Logo	Logo
Logo On Hacker T-Shirt	Title	X-Large	Large	Medium	Small

McMaster MSE Society

Our undergraduate-lead organization dedicated to fostering the professional and academic success of Materials Science & Engineering students at McMaster University.

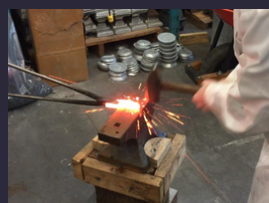
Our goal is to encapsulate the global materials science and engineering industry, innovation, and research through exposure.

STUDENT CLUBS



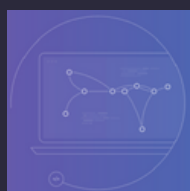
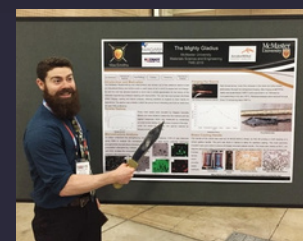
MacSmiths

Blacksmithing with a focus on micro-structure and mechanical properties.



The Mighty Gladius

3rd Place Winner at TMS 2019 International Bladesmithing Competition



Computational Materials Society

Tackling industry projects relating to data analytics, microstructure, and image processing.

2020 DeltaHacks MSE Challenge Winners



McMaster
Materials Student
Technical Society

Professional Development and Global MSE Advocacy.

Memberships:

- ACerS** - The American Ceramic Society
- AIST** - Association for Iron & Steel Technology
- ASM International** - The Materials Information Society
- TMS** - The Minerals, Metals, and Materials Society
- CIM** - Cdn Inst. of Mining, Metallurgy, and Petroleum

MATLS 2022 HACKS

Thank you for your interest in our event,
we hope you consider supporting the first ever
MATLS Hacks!

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McMaster Materials Science
and Engineering Society



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