



www.nextgenmfg.org



## Mechanical & Manufacturing Technologies for Energy & Sustainability 2023

*The MET<sup>2</sup> Program develops innovative solution and improvements for the environmental, medical, and space industries. Students from their first year of college through senior year work on our projects as partners with industry to support their research efforts and develop their ideas into working systems.*

You are invited to participate in an exciting hands-on engineering and technology program bringing together students from community college and university to work together on real-world problems /projects in inter-institutional, interdisciplinary self-managed teams. Through hands on projects, the 2023 program is designed to develop or further enhance your technology and engineering skills as well as prepare you to meet the needs of today's 4<sup>th</sup> Industrial Revolution.

Student stipends are available and funded by: The **National Science Foundation** and **CT's National Center for Next Generation**

**NOTE, ACCEPTED PARTICIPANTS MUST BE ABLE TO:**

- 1) Attend the 2023 Winter Intersession Program (*Tuesday, January 3 – Friday, January 13, 2023*) online
- 2) Continue work, including team meetings and research, which may account for up to 100 hours with their Program team during the 2023 Spring Semester
- 3) Contribute to the final report and presentation (due by June 5, 2023 - Friday)

### Are you interested in.....?

*Mold/Pattern Making*

*Arduino – Electronic Circuitry*

*Blue Print Reading*

*CAD – SolidWorks and 3D*

*Printing*

*Composite and Smart Fabrics*

*Manufacturing Processes*

### HOW TO APPLY – All applicants must submit all **Required Application Materials**

1. Completed and accurate 2023 MET<sup>2</sup> Program Student Application Form
2. One - page essay on why you would like to participate on the 2023 MET<sup>2</sup> Program (No exceptions)

### HOW TO SUBMIT – Send all Required Application Materials with a subject “First, Last Name 2023 – MET<sup>2</sup> Application”

<b>Preferred method, EMAIL</b> <a href="mailto:thebirchgroup@snet.net">thebirchgroup@snet.net</a> John Birch, Executive Director MET <sup>2</sup>	<b>Alternate method, MAIL</b> John Birch, 6 Forest Park Dr. Farmington, CT 06032	<b>Alternate method, FAX</b> John Birch, Executive Director MET <sup>2</sup> 860-810-4523
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All Required Application Materials must be submitted no later than **December 9, 2022 (Friday)** to ensure consideration.

**Applications and inquiries are also available on the MET<sup>2</sup> website:**  
**www.met2program.org**

*\*Admission to the MET<sup>2</sup> Program is based on a variety of criteria, with all factors in the applicant's background considered.*

For more information, contact  
 MET<sup>2</sup> Program Executive Director  
 John Birch, President  
 The Birch Group, LLC  
[thebirchgroup@snet.net](mailto:thebirchgroup@snet.net)  
 860-810-4523

**-Funded by the National Science Foundation-**

Date Submitted	
Name	
Email	
Preferred Phone	
Permanent Mailing Address	
Educational Institute	
Field of Study	
Referring Faculty*	

\*By typing your name here you are acknowledging that you are referring this student.