



## MRSEC-CHARM

*Director, Thomas H. Epps, III*  
*Co-Director, LaShanda Korley*  
*Executive Director, Gwendolyn Gregory*  
*mrsec.udel.edu*  
*@UD\_CHARM*

UD CHARM is a hub of interdisciplinary integration and infrastructure development to drive cross-cutting materials innovation. Using its materials science platform, UD CHARM is committed to training a new generation of innovators with focused diversity and educational programming.

### Our Mission

Create a world-recognized hub of interdisciplinary integration and infrastructure development to drive cross-cutting materials innovation.

### Our Vision

Harness the integrated power of computational design, innovative synthetic and manufacturing processes, and nano-scale characterization to unlock the substantial promise of complex, synthetic materials at multiple length/timescales.

## LEADERSHIP TEAM

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## COORDINATION LEADS

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## **FACULTY**

### **IRG 1: Peptide Active Materials (PAMs)**

IRG 1 Director	Darrin Pochan	pochan@udel.edu
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### **IRG 2: Hybrid Quantum Materials with Emergent Terahertz Functionalities (HQ-METs)**

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## **PARTNER INSTITUTIONS**

### **Research:**

NIST - National Institute of Standards & Technology

<https://www.nist.gov/>

University of Pennsylvania

<https://www.upenn.edu/>

### **Education & Outreach:**

TeenSHARP

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## **INTERNAL ADVISORY BOARD (IAB):**

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*Marianthi Ierapetritou* - Gore Centennial Professor at UD and former Associate VP for Promotion of Women in Science, Engineering, and Mathematics at Rutgers University, COE

*Edward Nowak* - Chairperson for the Department of Physics & Astronomy, CAS

## **EXTERNAL ADVISORY BOARD (EAB):**

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*Kathleen Stebe* - Deputy Dean, Surface & Colloid Science, Research MRSEC Member, University of Pennsylvania

*Edward Yu* - MRSEC Director, Solid-State Electronics, University of Texas at Austin

*Dan Ralph* - IRG Co-Director, Spin Manipulation, Cornell University

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*Scott Wasserman* - Executive Director & Professor, Functional Polymers, Adolph Merkle Institute at the University of Fribourg, International PI of NSF PIRE with L. Korley

*Jan Vermant* - Head of Department, Colloidal Suspensions, Experimental Methods Development, ETH Zürich, Department of Materials

## **CHARM SHARED FACILITIES:** <https://mrsec.udel.edu/facilities/>

AMCL (Advanced Materials Characterization Laboratory)

- Gerald Poirier [gpoirier@udel.edu](mailto:gpoirier@udel.edu)

CAMM (Keck Center for Advanced Microscopy and Microanalysis)

- Gerald Poirier [gpoirier@udel.edu](mailto:gpoirier@udel.edu)

UDNF (UD Nanofabrication Facility)

- Iulian Codreanu [codreanu@udel.edu](mailto:codreanu@udel.edu)

Star Campus at the University of Delaware

MGF (Materials Grown Facility)

- Joshua Zide, Ph.D. [zide@udel.edu](mailto:zide@udel.edu)

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