Suhas Eswarappa Prameela

Department of Materials Science and Engineering
Department of Aeronautics and Astronautics
Massachusetts Institute of Technology (MIT), USA

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Research Interests

- Materials for Extreme Dynamic Environments, High-throughput Experiments, Additive Manufacturing
- Materials for Extreme Aerospace and Space Applications, Lightweight Metallic Shape Memory Materials
- Mechanics of Materials, Materials Informatics, Automation, Sustainability, Propulsion Materials

Postdoctoral Appointments

09/2022 - Present **MIT Engineering Excellence Postdoctoral Fellow**
Department of Aeronautics and Astronautics
Department of Materials Science and Engineering
Massachusetts Institute of Technology (MIT), USA
Hosts : Zachary Cordero & Christopher Schuh

02/2022 - 08/2022 **HEMI Postdoctoral Fellow**
HEMI: Hopkins Extreme Materials Institute
Johns Hopkins University (JHU), USA
Host : Timothy P. Weihs

Education

08/2016 - 01/2022 **Ph.D. in Material Science and Engineering**, **Johns Hopkins University, USA**
Advisor : Timothy P. Weihs
Thesis : Design of Lightweight Magnesium Alloys for Extreme Dynamic Environments

08/2014 - 05/2016 **MS in Material Science and Engineering**, **Arizona State University, USA**
Advisor : Jagannathan Rajagopalan
Thesis : Modeling and Calibration of a MEMS Tensile Stage for Elevated Temperature Experiments on Freestanding Metallic Thin Films

08/2010 - 05/2014 **B.E. in Mechanical Engineering**, **Visvesvaraya Technological University, India**
Advisors : Jiju John (Indian Space Research Organisation), CS Prasad (RVCE)
Thesis : Design and Development of MEMS Lunar Seismometer for Sensing Moonquakes
College : RV College of Engineering (RVCE), Bangalore, India, **[Gold Medalist]**

Internships

Research

08/2013 - 05/2014 **Lunar Mission - Project Fellow**, *Indian Space Research Organization, India*
Research Mentor : Jiju John

06/2013 - 08/2013 **Undergraduate Research Intern**, *Laboratory for Electro-Optics Systems, India*
Research Mentor : Ashwini Jambhalikar

06/2012 - 08/2012 **National Academy Research Fellow**, *Indian Institute of Technology, India*
Research Mentor : Navin Kumar

Teaching

06/2021 - 08/2021 **Instructor, Engineering Innovation [3 credits]**, *Johns Hopkins University, USA*

06/2020 - 08/2020 **Instructor, Engineering Innovation [3 credits]**, *Johns Hopkins University, USA*

06/2019 - 08/2019 **Instructor, Engineering Innovation [3 credits]**, *Johns Hopkins University, USA*

Fellowships & Grants

For Research Activities

2022	MIT Postdoctoral Fellowship for Engineering Excellence, *MIT*, [Link],	$170k
2021	Ignite Fund, *JHU Technology Ventures*,	$1k
2021	I-Corps Program, *National Science Foundation, Johns Hopkins University*,	$3k
2020	MEDE MSA Fellowship, *Army Research Lab, USA*, [News],	$6k
2020	Ignite Fund, *JHU Technology Ventures*,	$1k
2016	Hopkins Graduate Research Fellowship, *Johns Hopkins University*,	$60k
2012	Undergraduate Summer Research Fellowship, *Indian Academy of Sciences*,	₹24k

For Teaching and Academic Activities

2020	Technology Fellowship Grant, *JHU Center for Educational Resources*, [Link],	$5k
2019	Technology Fellowship Grant, *JHU Center for Educational Resources*, [Link],	$5k
2015	Teaching Assistantship, *Arizona State University*,	$30k

Honors & Awards

For Research Excellence

- 2022 MIT Open Data Prize - Runner up, *MIT*, [News]
- 2021 Outstanding Reviewer Award, *Journal of Magnesium and Alloys*
- 2019 Best Poster Award – People's Choice, *MACH 2019 Conference, USA*, [News]
- 2014 First Prize in Oral Presentation, *Research Competition, Indian HVAC Society*
- 2012 Second Prize in Oral Presentation, *Carpe-Diem Research Competition, MSRIT, India*
- 2011 First Prize in Oral Presentation, *Vortex Research Competition, VTU*

For Academic Excellence

- 2014 Gold Medal for highest GPA in graduating class of Mechanical Eng., *RVCE, VTU*
- 2014 Best Outgoing Student of Mechanical Eng. Dept., *RVCE, VTU*
- 2014 World Quantitative and Science Scholarship, *WorldQuant Foundation*, [News]
- 2013 First Prize in Scientific Essay Competition, *National Academy of Sciences*
- 2013 Meritor Scholarship, *Meritor, Inc*
- 2010 MHRD Scholarship, *Government of India*

For Diversity and Outreach Activities

- 2021 Inphi Engineering Graduate Scholarship, *Inphi Corporation, USA*
- 2020 Diversity Leadership Award, *Johns Hopkins University, USA*
- 2018 Engaged Scholar Award, *JHU Center for Social Concern, USA*

Research Publications [Google Scholar]

Self | *co-first author | *Italics*: Journal | ^{c} corresponding author

Peer Reviewed Journal Articles

1. **SE Prameela**^{c}, P Yi, Y Hollenweger, B Liu, J Chen, LJ Kesckes, DM Kochmann, ML Falk, TP Weihs
   "Strengthening magnesium by design: integrating alloying and dynamic processing"
   Mechanics of Materials, 2022 | DOI: 10.1016/j.mechmat.2021.104203

2. TT Sasaki[c], JY Lin, P Yi, ZH Li, **SE Prameela**, A Park, E Lipkin, A Lee, ML Falk, TP Weihs, K Hono
"Deformation induced solute segregation and GP zone formation in Mg-Al and Mg-Zn binary alloys"
Scripta Materialia , 2022 | DOI: 10.1016/j.scriptamat.2022.114924

3. LJ Kecskes[c], NM Krywopusk, Y Hollenweger, JN Krynicki, **SE Prameela**, P Yi, B Liu, ML Falk, DM Kochmann, TP Weihs
"Recrystallization mechanisms, grain refinement, and texture evolution during ECAE processing of Mg and its alloys"
Mechanics of Materials, 2021 | DOI: 10.1016/j.mechmat.2021.104067

4. D Mallick[c], **SE Prameela**, D Ozturkf, C Williams, M Kang, G Valentino, J Lloyd, J Wilkerson, TP Weihs, KT Ramesh
"Experimental Measurements of Spall Strength in Pure and Alloyed Magnesium: A Compendium of Research Efforts from the CMEDE 10-Year Effort"
Mechanics of Materials, 2021 | DOI: 10.1016/j.mechmat.2021.104065

5. **SE Prameela**[c], P Yi, B Medeiros, V Liu, LJ Kecskes, ML Falk, TP Weihs
"Deformation assisted nucleation of continuous nanoprecipitates in Mg–Al alloys"
Materiala, 2020 | DOI: 10.1016/j.mtla.2019.100583

6. J Fite[c], **SE Prameela**, J Slotwinski, TP Weihs
"Evolution of the microstructure and mechanical properties of additively manufactured AlSi10Mg during room temperature holds and low temperature aging"
Additive Manufacturing, 2020 | DOI: 10.1016/j.addma.2020.101429

7. XL Ma[c]*, **SE Prameela***, P Yi, M Fernandez, NM Krywopusk, LJ Kecskes, T Sano, ML Falk, TP Weihs (*=equal contribution)
"Dynamic precipitation and recrystallization in Mg-9wt.% Al during equal-channel angular extrusion: A comparative study to conventional aging"
Acta Materialia, 2019 | DOI: 10.1016/j.actamat.2019.04.046

8. TW Sowers, R Sarkar, **SE Prameela**, E Izadi, J Rajagopalan[c]
"Capillary driven flow of polydimethylsiloxane in open rectangular microchannels"
Soft matter, 2016 | DOI: 10.1039/c6sm00897f

Book Chapters (Peer Reviewed)

9. **SE Prameela**[c], T Sasaki, ML Falk, P Yi, K Hono, TP Weihs
"Unlocking the strengthening potential of magnesium alloys using deformation-induced clustering and precipitation" [**Invited**]
Magnesium Technology, 2022 | DOI: 10.1007/978-3-030-92533-8_2

10. **SE Prameela**[c], P Yi, V Liu, B Medeiros, LJ Kecskes, ML Falk, TP Weihs
"Effect of second phase particle size on the recrystallized microstructure of Mg–Al Alloys following ECAE processing"
Magnesium Technology, 2020 | DOI: 10.1007/978-3-030-36647-6_27

11. **SE Prameela**[c], TP Weihs
"Deformation driven precipitation in binary Magnesium alloys" [**Invited**]
Magnesium Technology, 2020 | DOI: 10.1007/978-3-030-36647-6_26

Conference Proceedings (Peer Reviewed)

12. **SE Prameela**[c], [+]E Lipkin, J Chen, LJ Kecskes, Z Xu, TP Weihs
"Enhanced precipitation and recrystallization in a Mg-Zn Alloy during low-temperature extrusion"

Procedia Manufacturing, 2020 | DOI: 10.1016/j.promfg.2020.04.329

13. J John[c], MS Giridhar, Ashwini Jambhalikar, A Behera, R Islam, B Srinivas, R Pai, **SE Prameela**, S Rao
"Design and fabrication of Silicon micro-structure for seismometers"
ISSS, 2014 | DOI: 10.13140/RG.2.2.34634.29122

Manuscripts under review or in preparation

14. **SE Prameela**[c], C Walker, CS DiMarco, D Mallick, S Hernandez, J Chen, F Mammo, T Sasaki, KT Ramesh, George Pharr, TP Weihs
"High-throughput quantification of quasistatic, dynamic, and spall strength of Mg-Zn Alloys using nanoindentation and laser-driven shock experiments"
In preparation for: *Extreme Mechanics Letters*

15. **SE Prameela**[c], P Malhotra*, X Sun*, J Moreno, T Nakata, J Fite, J Chen, S Hernandez, M Shaffer, S Kamado, T Sasaki, KT Ramesh, TP Weihs
"Hypervelocity impact experiments and simulations on binary Magnesium alloys"
In preparation for: *Journal of the Mechanics and Physics of Solids*

16. **SE Prameela**[c,*], Y Hollenweger*, A Davis, J Chen, S Lavenstein, R Plamthottam, JD Robson, J El-Awady, DM Kochmann, TP Weihs
"Unravelling complex non-equilibrium phase transformation pathways in deformed magnesium polycrystals"
In preparation for: *PNAS*

17. P Yi[c], T Sasaki, **SE Prameela**, TP Weihs, ML Falk
"The interplay between solute atoms and vacancy clusters in Magnesium alloys"
Submitted and under review: *Acta Materialia* [arXiv Preprint]

18. H Viswanath, MA Rahman, A Vyas, A Shor, B Medeiros, S Hernandez, **SE Prameela**, A Bera
"Fast Resolution Agnostic Neural Techniques to Solve Partial Differential Equations"
Submitted: *Communication Physics 2023* [arXiv Preprint]

Technical Perspectives

1. **SE Prameela**[c], Tresa M. Pollock, Dierk Raabe, Marc André Meyers, Assel Aitkaliyeva, Kerri-Lee Chintersingh, Zachary Cordero, Lori Graham Brady
"Materials for Extreme Environments"
Nature Reviews Materials, 2022 | DOI: 10.1038/s41578-022-00496-z

2. **SE Prameela**[c], Peng Yi, Michael L Falk, Timothy P Weihs
"Strategic Control of Atomic-scale Defects for Tuning Properties in Metals"
Nature Reviews Physics, 2021 | DOI: 10.1038/s42254-021-00287-5

3. **SE Prameela**[c], KT Ramesh, Timothy P Weihs
"Young Scholars Benefit from Collaboration"
Nature Materials, 2021 | DOI: 10.1038/s41563-021-01009-z

4. **SE Prameela**[c], Timothy P Weihs
"A Defect Determines Strength"
Nature Physics, 2020 | DOI: 10.1038/s41567-020-0961-2

5. **SE Prameela**[c], Patricia McGuiggan, Amy Brusini, Trevor Glenn, Timothy P Weihs
"Looking at Education Through the Microscope"

Nature Review Materials, 2020 | DOI: 10.1038/s41578-020-00246-z

Proposal Writing/Editing Experience

I have helped with editing and writing portions of the proposals listed below:

1. Excess Vacancy Enabled Transformations in Light Metal Alloys **(2023)**
   PIs: Michael Falk, Timothy P. Weihs, Johns Hopkins University, USA
   Funding Agency: National Science Foundation (NSF), USA

2. An Ultrasonic Atomization System for Fabricating Novel Alloyed Reactive Metal Powders and Related Materials **(2022)**
   Defense University Research Instrumentation Program(DURIP) proposal
   PI: Timothy P. Weihs, Johns Hopkins University, USA
   Funding Agency: DURIP: Air Force Office of Scientific Research (AFOSR), USA

3. Facilities for Thermo-Mechanical Processing and in situ Characterization of Structural Materials **(2019)**
   PI: Timothy P. Weihs, Johns Hopkins University, USA
   Funding Agency: Congressional Plus-up: Hopkins Extreme Materials Institute, USA

4. Processing and Characterization of Novel Magnesium Alloys **(2017)**
   PIs: Timothy P. Weihs, Todd Hufnagel, Laszlo Kecskes, Johns Hopkins University, USA and Jeffrey Lloyd, ARL, USA
   Funding Agency: DEVCOM Army Research Laboratory (ARL), USA

5. Bottom-Up Synthesis of Nanocrystalline Intermetallic Coatings With Controlled Microstructures **(2016)**
   PI: Jagannathan Rajagopalan, Arizona State University
   Funding Agency: National Science Foundation (NSF), USA

Invited Talks

Nov 2022 **Materials, Mechanics, and Data for Extreme Dynamic Environments**,
New Trends in Aerospace Seminar Series, Department of Aeronautics & Astronautics, Massachusetts Institute of Technology (MIT), USA

May 2022 **High-throughput Materials Development for Extreme Environments**,
Materials Design & Innovation Department Seminar, University of Buffalo, NY

March 2022 **Design of Advanced Materials for Extreme Dynamic Environments**,
Materials Science & Engineering Seminar, University of Maryland - College Park

March 2022 **Materials in Extreme Dynamic Environments**,
Mechanical Engineering & Mechanics Department Seminar, Lehigh University

February 2022 **Design of Novel Magnesium Alloys for Extreme Dynamic Environments**,
EASF 2022 Young Webinar

February 2022 **Snippet of plasticity for better materials in extreme conditions**,
Materials Research Seminar 2022, Johns Hopkins University

February 2022 **Design of Novel Magnesium Alloys for Extreme Dynamic Environments**,
Materials Science & Engineering Seminars, University of Wisconsin-Madison

January 2022 **Design of Novel Magnesium Alloys for Extreme Dynamic Environments**,
Mechanical Engineering Department (Gu Group), Stanford University

November 2021 **Material Informatics & ML Models for Accelerated Light Alloy Design**,
2021 Materials Research Seminar, Johns Hopkins University

October 2021 **Importance of Academic Collaboration**,
2021 Mechanics and Materials Seminar, Johns Hopkins University

October 2021 **The Academic Job Market: An International Scholar's Perspective**,
PHUtures, Johns Hopkins University

March 2021 **Deformation Induced Precipitation in Light Alloys: Theory & Experiments**,
Deformation Induced Microstructural Modification Symposium, TMS 2021 Conference

March 2021 **Using Social Media for Science Communication**,
PHUtures, Johns Hopkins University

February 2020 **Deformation Driven Precipitation in Binary Magnesium Alloys**,
Magnesium Technology 2020 — TMS 2020 Conference

February 2020 **Diversity and Inclusion in STEM**,
Center for Educational Outreach, Johns Hopkins University

August 2018 **Dynamic Precipitation in Mg-Al Alloys**,
Department of Materials, University of Manchester, UK

August 2018 **Solute Clustering and Precipitation in Magnesium alloys**,
Department of Materials, University of Oxford, UK

July 2018 **Dynamic Precipitation in a Mg-Al Alloys during ECAE**,
11th International Conference on Magnesium Alloys and Their Applications, UK

October 2017 **Second Phase is a Second Chance to Fix Anisotropy in Mg Alloys**,
Materials Science & Engineering Department Seminar, Johns Hopkins University

Selected Conference Talks and Posters

2022	TMS 2022: The Minerals, Metals & Materials Society	Talk	USA
2022	MRS 2022: Materials Research Society	Talk	USA
2021	TMS 2021: The Minerals, Metals & Materials Society	Poster	USA
2020	MRS 2020: Materials Research Society	Talk	USA
2020	MEDE Research Consortium Fall Meeting	Poster	USA
2020	ESAFORM 2020 – Conference on Material Forming	Talk	Germany
2020	TMS 2020: The Minerals, Metals & Materials Society	Talk	USA
2019	MEDE Research Consortium Fall Meeting	Poster	USA
2019	American Physical Society	Talk	USA
2019	Mach Conference	Poster	USA
2019	Mach Conference	Talk	USA
2019	TMS 2019: The Minerals, Metals & Materials Society	Talk	USA
2018	International Conference on Mg Alloys & Their Applications	Talk	UK
2018	Microscopy and Microanalysis	Talk	USA
2018	TMS 2018: The Minerals, Metals & Materials Society	Talk	USA
2017	Mach Conference	Poster	USA
2017	Enterprise for Multiscale Research of Materials Meeting	Poster	USA
2017	Mg Workshop, Alloys & Lightweight Structural Systems	Poster	USA
2017	MEDE Research Consortium Fall Meeting	Poster	USA
2016	MEDE Research Consortium Fall Meeting	Poster	USA
2016	TMS 2016: The Minerals, Metals & Materials Society	Poster	USA

2014	International Smart Materials, Structures and Systems	Poster	India
2014	Federation of Asian Science Polymer Congress FAPS-MACRO	Poster	India

Teaching Experience [∼220 hrs of classroom teaching]

Role: Instructor at Johns Hopkins University, USA		Credit(s)
2021	Engineering Innovation (Summer)	3
2020	HEART Program: Looking at Atoms and Viruses (Fall)	1
2020	Engineering Innovation (Summer)	3
2020	B'more Program: Diversity in Baltimore Community (Intersession)	1
2019	HEART Program: Looking at Atoms (Fall)	1
2019	Engineering Innovation (Summer)	3
2019	Looking at Atoms (Intersession)	1
2018	SOUL Program: Looking at Atoms (Fall)	1
2018	HEART Program: Looking at Atoms (Fall)	1
Role: Teaching Assistant at Johns Hopkins University, USA		
2018	Phase Transformation of Materials (Spring)	3
2017	Mechanical Properties of Materials (Fall)	3
Role: Teaching Assistant at Arizona State University, USA		
2016	Aerospace Structure and Materials (Fall)	3
2015	Mechanics of Materials (Fall)	3
Role: Engineering Tutor at Arizona State University, USA		
2015	Lead Engineering Tutor, *Tempe Campus* (Spring)	
2014	Engineering Tutor, *Tempe Campus* (Fall)	

Students Supervised

Johns Hopkins University, USA		**Status**	**Current Affiliation**
2021	Fanuel Mammo[1,2]	B.S	Johns Hopkins University, USA
2020	Abigail Park[1]	B.S	General Motors, USA
2020	Alice Lee[1]	B.S	Johns Hopkins University, USA
2020	Joey Chen[1]	B.S	Johns Hopkins University, USA
2019	Jonathan Spangler-Sakata	B.S	Johns Hopkins University, USA
2019	Vance Liu[1]	M.S	Micron, Taiwan
2018	Caitlyn Schuette	B.S	Dow Chemicals, USA
2018	Matt Fernandez[1]	B.S	Zimmer Biomet, USA
2017	Elaine Lipkin[1]	B.S	UW Madison, USA
2017	Jason Werenski	B.S	Johns Hopkins University, USA
2017	Stephanie Hernandez[1,2]	B.S	Lockheed Martin, USA
2017	John Chu	B.S	Intuitive, USA
2016	Beatriz Medeiros[1,2,3]	B.S	Amazon, USA
2016	Sina Fahimi Hanzaei	B.S	KPMG, Canada

[1] co-authors on publications with S.E.P

[2] awarded the CMEDE Undergraduate Research Apprenticeship Program (URAP) with support from S.E.P

[3] awarded the Maryland Space Grant Consortium Scholarship with support from S.E.P

Training and Workshops

2021	Materials Day Symposium	MIT, USA
2021	Alloy Design Workshop	MIT, USA
2019	Teaching Academy Workshop	JHU, USA
2018	ASTAR Users Workshop	TMS 2018, USA
2018	Extreme Arts Workshop: Collaborative Super Intelligence	JHU, USA
2017	Foundations of Electron Microscopy Workshop (Marc De Graef)	JHU, USA
2017	Developing Technical Proposals Workshop (KT Ramesh)	JHU, USA
2017	Princeton University/PSM Microscopy Symposium	Princeton, USA
2017	Safe Zone Program	JHU, USA
2016	NanoMEGAS ASTAR Workshop	JHU, USA
2016	HEMI Graduate Student Bootcamp (KT Ramesh)	JHU, USA
2016	Science Outside Lab Policy Workshop	NSF, USA

Professional Memberships

2022 Society of Experimental Mechanics (SEM)
2022 American Institute of Aeronautics and Astronautics (AAIA)
2022 American Association for the Advancement of Science (AAAS)
2021 The American Physical Society (APS)
2021 Society of Engineering Science (SES)
2021 Microscopy Society of America (MSA)
2020 Materials Research Society (MRS)
2016 The Minerals, Metals & Materials Society (TMS)
2016 The American Ceramics Society (ACerS)
2016 American Society for Metals (ASM)

Service and Outreach Activities

2022 - 2023 **Reviewer:** Mechanics of Materials
2022 - 2023 **Reviewer:** Materials Charecterization
2022 - 2023 **Reviewer:** Materials Today Communications
2022 - 2023 **Symposium Organizer:** TMS 2023 - Materials Processing and Manufacturing Division
2022 - 2022 **Reviewer:** Progress in Natural Science: Materials International
2022 - 2022 **Reviewer:** Journal of Process Mechanical Engineering
2021 - 2022 **Judge:** Future City International Finals Competitions
2021 - 2022 **Symposium Organizer:** Slip, Twins and Voids symposium - Mach Conference
2020 - 2021 **Reviewer:** Continuum Mechanics & Thermodynamics
2020 - 2021 **Reviewer:** Journal of Magnesium & Alloys
2020 - 2021 **Symposium Organizer:** Slip, Twins and Voids symposium - Mach Conference
2019 - 2020 **Reviewer:** Acta Materialia
2018 - 2020 **Co-chair:** Homewood Council for Inclusive Excellence, JHU, [Link]
2016 - 2018 **SABES Mentor:** STEM Achievement in Elementary Schools, Baltimore, [Link]
2015 - 2016 **Travel Grant Reviewer:** Graduate and Professional Student Association, ASU, [Link]

2014 - 2016 **Board Member:** Residency Classification Appeals Board, ASU, [Link]

Ongoing Collaborations

2021 Prof. Burigede Liu (University of Cambridge, USA)

2021 Prof. George Pharr (TAMU, USA)

2020 Dr. Taisuke Sasaki and Kazuhiro Hono (NIMS, Japan)

2019 Prof. Joseph D. Robson, Prof. Alec Davies (University of Manchester, UK)

2019 Prof. Suraj Ravindran (University of Minnesota, USA)

2018 Prof. Dennis M. Kochmann (ETH Zurich, Switzerland)

2016 Prof. Michael L. Falk (Johns Hopkins University, USA)

2016 Prof. KT. Ramesh (Johns Hopkins University, USA)

Media Coverage

2023 "MIT Gas Turbine Laboratory prepares to jet into the future", *MIT News Page*, [Link]

2022 "MIT School of Engineering unveils MIT Postdoctoral Fellowship Program for Engineering Excellence", *MIT News Page*, [Link]

2022 "How to get what you need from your Ph.D. or postdoc supervisor", *Science*, [Link]

2022 "Interview excerpt from Chapter 15: Critical Critiques: Identifying Weakness", *The Grant Writing Guide: A Road Map for Scholars by Betty Lai*, [Book Link]

2021 "2021 Army Research Office (ARO) Year in Review (page 145 regarding Army URAP program mentors)", *ARO Report*, [News]

2021 "2020 Inphi Engineering Graduate Scholarship awarded to Suhas Eswarappa Prameela in 2021", *NOGLSTP*, [News]

2021 "AEOP Apprenticeship Mentors Are Helping Students Reach Their STEM goals", *USAEOP*, [News]

2020 "How Early-Career Scientists are Coping with COVID-19 Challenges & Fears", *Science*, [News]

2020 "Suhas Prameela voices his PhD student perspective on Twitter and in Science Magazine", *JHU Department of Materials Science and Engineering*, [News]

2020 "Suhas Prameela Recognized by the Johns Hopkins Diversity Leadership Council", *JHU Department of Materials Science and Engineering*, [News]

2019 "JHU PhD Candidate Suhas Prameela Accepts MEDE-MSA Fellowship", *JHU CMEDE*, [News]

2019 "Deformation-Driven Dynamic Precipitation in Mg-Al alloys" by Suhas Eswarappa Prameela wins "Best Poster Award" at the 2019 Mach Conference", *JHU Department of Materials Science and Engineering*, [News]

2019 "Building Better Vehicle Armor", *JHU Engineering*, [News]

2018 "Suhas Eswarappa Prameela wins Engaged Scholar Graduate Student Award", *JHU Department of Materials Science and Engineering*, [News]

2018 "Undergrad Stephanie Hernandez earns Army's URAP internship", *JHU Department of Mechanical Engineering*, [News]

2018 "Beatriz Medeiros awarded URAP Internship", *JHU Department of Materials Science and Engineering*, [News]

2014 "WorldQuant Foundation Releases Science Scholarship Recipients", *Modern Ghana*, [News]

References

1. **Timothy P. Weihs, Professor**
   Department of Materials Science & Engineering, Johns Hopkins University, USA
   Relationship: Ph.D. Thesis Advisor, Email: [weihs@jhu.edu]

2. **Dennis M. Kochmann, Professor and Deputy Head of Department**
   Department of Mechanical & Process Engineering, ETH Zurich, Switzerland
   Relationship: Research Collaborator, Email: [dmk@ethz.ch]

3. **Guruswami Ravichandran, Professor**
   Department of Mechanical & Aerospace Engineering, Caltech, USA
   Relationship: Research Collaborator, Email: [ravi@caltech.edu]

4. **Burigede Liu, Assistant Professor**
   Department of Engineering, University of Cambridge, UK
   Relationship: Research Collaborator, Email: [bl377@eng.cam.ac.uk]

5. **Zachary Cordero, Assistant Professor**
   Department of Aeronautics & Astronautics, Massachusetts Institute of Technology, USA
   Relationship: Postdoctoral Advisor, Email: [zcordero@mit.edu]

6. **KT Ramesh, Professor and HEMI Director**
   Department of Mechanical Engineering, Johns Hopkins University, USA
   Relationship: Research Collaborator, Email: [ramesh@jhu.edu]

7. **Taisuke Sasaki, Scientist**
   National Institute for Materials Science (NIMS), Japan
   Relationship: Research Collaborator, Email: [sasaki.taisuke@nims.go.jp]

8. **Jagannathan Rajagopalan, Associate Professor**
   Department of Mechanical Engineering, Arizona State University, USA
   Relationship: MS Thesis Advisor, Email: [jagannathan.rajagopalan@asu.edu]

9. **Debjoy Mallick, Research Scientist**
   Army Research Lab, USA
   Relationship: Research Collaborator, Email: [debjoy.d.mallick.civ@mail.mil]

10. **Joseph D. Robson, Professor**
    Department of Materials, University of Manchester, UK
    Relationship: Research Collaborator, Email: [joseph.d.robson@manchester.ac.uk]