

# Suhas Eswarappa Prameela

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

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## Research Interests

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- Materials for Extreme Dynamic Environments, High-throughput Experiments
- Materials by Design, Materials Informatics, Thermo-mechanical Processing of Alloys
- Metal Additive Manufacturing, Lightweight Protection Materials, Sustainability

## Postdoctoral Appointments

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09/2022 - Present **MIT Engineering Excellence Postdoctoral Fellow**

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

02/2022 - 08/2022 **HEMI Postdoctoral Fellow**

Hopkins Extreme Materials Institute  
 Johns Hopkins University (JHU), USA  
 Host : Timothy P. Weihs

## Education

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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**

Advisor : 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**]

## Career

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09/2022 - Present **Postdoctoral Fellow, Massachusetts Institute of Technology, USA**

Host : Zachary Cordero

09/2022 - Present **Visiting Scholar, Hopkins Extreme Materials Institute, USA**

Host : Timothy P. Weihs

02/2022 - 08/2022 **Postdoctoral Research Associate, Johns Hopkins University, USA**

Research Advisor : Timothy P. Weihs

08/2016 - 01/2022 **Graduate Research Assistant, Johns Hopkins University, USA**

Research Advisor : Timothy P. Weihs

06/2021 - 08/2021 **Instructor, Biomedical Engineering Innovation, Johns Hopkins University, USA**

Center for Educational Outreach - Summer Program (3 credits)

- 06/2020 - 08/2020 **Instructor, Biomedical Engineering Innovation, Johns Hopkins University, USA**  
Center for Educational Outreach - Summer Program (3 credits)
- 06/2019 - 08/2019 **Instructor - Engineering Innovation, Johns Hopkins University, USA**  
Center for Educational Outreach - Summer Program (3 credits)
- 08/2014 - 05/2016 **Graduate Research Assistant, Arizona State University, USA**  
Research Advisor : Jagannathan Rajagopalan
- 08/2013 - 05/2014 **Senior Design Project Fellow, Indian Space Research Organization, India**  
Research Mentor : Jiju John
- 06/2013 - 07/2013 **Undergraduate Research Intern, Laboratory for Electro-Optics Systems, India**  
Research Mentor : Ashwini Jambhalikar
- 06/2012 - 08/2012 **Summer Research Fellow, Indian Institute of Technology, India**  
Research Advisor : Navin Kumar

## Honors & Awards

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### *For Research Excellence*

- 2021 Outstanding Reviewer Award, *Journal of Magnesium and Alloys*
- 2019 Best Poster Award – People’s Choice, *MACH 2019 Conference*, [\[News\]](#)
- 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, *NOGLSTP*, [\[News\]](#)
- 2020 Diversity Leadership Award, *Johns Hopkins University*, [\[News\]](#) [\[Citation\]](#)
- 2018 Engaged Scholar Award, *JHU Center for Social Concern*, [\[News\]](#)

## Fellowships & Grants

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### *For Research Activities*

- 2021 Ignite Fund, *JHU Technology Ventures*
- 2021 I-Corps Program, *National Science Foundation, Johns Hopkins University*
- 2020 MEDE MSA Fellowship, *Army Research Lab, USA*, [\[News\]](#)
- 2020 Ignite Fund, *JHU Technology Ventures*
- 2016 Hopkins Graduate Research Fellowship, *Johns Hopkins University*
- 2012 Undergraduate Summer Research Fellowship, *Indian Academy of Sciences*

### *For Teaching and Academic Activities*

- 2022 MIT Postdoctoral Fellowship for Engineering Excellence, *MIT*, [\[Link\]](#)
- 2020 Technology Fellowship Grant, *JHU Center for Educational Resources*, [\[Link\]](#)
- 2019 Technology Fellowship Grant, *JHU Center for Educational Resources*, [\[Link\]](#)
- 2015 Teaching Assistantship, *Arizona State University*

## Publications [Google Scholar]

**Self** | \*co-first author | *Italics*: Journal | +Suhas's UG/MS mentees | <sup>c</sup> corresponding author

### Journal Articles

1. **SE Prameela**<sup>c</sup>, P Yi, Y Hollenweger, B Liu, +J Chen, LJ Kecskes, 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](https://doi.org/10.1016/j.mechmat.2021.104203)
2. LJ Kecskes<sup>c</sup>, 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](https://doi.org/10.1016/j.mechmat.2021.104067)
3. D Mallick<sup>c</sup>, **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](https://doi.org/10.1016/j.mechmat.2021.104065)
4. **SE Prameela**<sup>c</sup>, P Yi, ML Falk, TP Weihs  
"Strategic control of atomic-scale defects for tuning properties in metals"  
*Nature Reviews Physics*, 2021 | DOI: [10.1038/s42254-021-00287-5](https://doi.org/10.1038/s42254-021-00287-5)
5. **SE Prameela**<sup>c</sup>, TP Weihs  
"A defect determines strength"  
*Nature Physics*, 2020 | DOI: [10.1038/s41567-020-0961-2](https://doi.org/10.1038/s41567-020-0961-2)
6. **SE Prameela**<sup>c</sup>, PM McGuiggan, A Brusini, TW Glenn, TP Weihs  
"Looking at education through the microscope"  
*Nature Review Materials*, 2020 | DOI: [10.1038/s41578-020-00246-z](https://doi.org/10.1038/s41578-020-00246-z)
7. **SE Prameela**<sup>c</sup>, P Yi, +B Medeiros, +V Liu, LJ Kecskes, ML Falk, TP Weihs  
"Deformation assisted nucleation of continuous nanoprecipitates in Mg–Al alloys"  
*Materials*, 2020 | DOI: [10.1016/j.mtla.2019.100583](https://doi.org/10.1016/j.mtla.2019.100583)
8. J Fite<sup>c</sup>, **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](https://doi.org/10.1016/j.addma.2020.101429)
9. XL Ma<sup>c\*</sup>, **SE Prameela**<sup>\*</sup>, P Yi, +M Fernandez, NM Krywopusk, LJ Kecskes, T Sano, ML Falk, TP Weihs  
"Dynamic precipitation and recrystallization in Mg-9wt.% Al during equal-channel angular extrusion: A comparative study to conventional aging"  
*Acta Materialia*, 2020 | DOI: [10.1016/j.actamat.2019.04.046](https://doi.org/10.1016/j.actamat.2019.04.046)
10. TW Sowers, R Sarkar, **SE Prameela**, E Izadi, J Rajagopalan<sup>c</sup>  
"Capillary driven flow of polydimethylsiloxane in open rectangular microchannels"  
*Soft matter*, 2016 | DOI: [10.1039/c6sm00897f](https://doi.org/10.1039/c6sm00897f)

### Book Chapters

11. **SE Prameela**<sup>c</sup>, T Sasaki, ML Falk, P Yi, K Hono, TP Weihs  
"Unlocking the strengthening potential of magnesium alloys using deformation-induced clustering and precipitation"  
*Magnesium Technology*, 2022 | DOI: [10.1007/978-3-030-92533-8\\_2](https://doi.org/10.1007/978-3-030-92533-8_2)

12. **SE Prameela**<sup>c</sup>, P Yi, <sup>+</sup>V Liu, <sup>+</sup>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](https://doi.org/10.1007/978-3-030-36647-6_27)
13. **SE Prameela**<sup>c</sup>, TP Weihs  
"Deformation Driven Precipitation in Binary Magnesium Alloys"  
*Magnesium Technology*, 2020 | DOI: [10.1007/978-3-030-36647-6\\_26](https://doi.org/10.1007/978-3-030-36647-6_26)

#### *Conference Proceedings (Peer Reviewed)*

14. **SE Prameela**<sup>c</sup>, <sup>+</sup>E Lipkin, <sup>+</sup>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](https://doi.org/10.1016/j.promfg.2020.04.329)
15. J John<sup>c</sup>, 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](https://doi.org/10.13140/RG.2.2.34634.29122)

#### *Manuscripts in Preparation*

16. P Yi<sup>c</sup>, T Sasaki, **SE Prameela**, TP Weihs, ML Falk  
"The Interplay Between Solute Atoms and Vacancy Clusters in Magnesium Alloys"  
Submitted, 2021 [[arXiv Preprint](#)]

## Outreach/Op-Ed Publications

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1. **SE Prameela**<sup>c</sup>  
"Don't just mandate open data, fund it"  
*Nature*, 2022 | DOI: [10.1038/d41586-022-00478-9](https://doi.org/10.1038/d41586-022-00478-9)
2. **SE Prameela**<sup>c</sup>, KT Ramesh, TP Weihs  
"Young scholars benefit from collaboration"  
*Nature Materials*, 2021 | DOI: [10.1038/s41563-021-01009-z](https://doi.org/10.1038/s41563-021-01009-z)
3. **SE Prameela**<sup>c</sup>  
"Finding my Online Voice"  
*Science*, 2021 | DOI: [10.1126/science.372.6539.310](https://doi.org/10.1126/science.372.6539.310)

## Invited Talks and Panel Discussions

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|---------------|---|
| May 2022      | <b>High-throughput Materials Development for Extreme Environments</b> ,<br><i>Materials Design &amp; Innovation Department Seminar, University of Buffalo, NY</i>   |
| March 2022    | <b>Design of Advanced Materials for Extreme Dynamic Environments</b> ,<br><i>Materials Science &amp; Engineering Seminar, University of Maryland - College Park</i> |
| March 2022    | <b>Materials in Extreme Dynamic Environments</b> ,<br><i>Mechanical Engineering &amp; Mechanics Department Seminar, Lehigh University</i>                           |
| February 2022 | <b>Design of Novel Magnesium Alloys for Extreme Dynamic Environments</b> ,<br><i>EASF 2022 Young Webinar, [<a href="#">Link</a>]</i>                                |
| February 2022 | <b>Snippet of plasticity for better materials in extreme conditions</b> ,<br><i>Materials Research Seminar 2022, Johns Hopkins University</i>                       |
| February 2022 | <b>Design of Novel Magnesium Alloys for Extreme Dynamic Environments</b> ,<br><i>Materials Science &amp; Engineering Seminars, University of Wisconsin-Madison</i>  |

- 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**,  
*PHUtutes, Johns Hopkins University, [\[Link\]](#)*
- March 2021 **Deformation Induced Precipitation in Light Alloys: Theory & Experiments**,  
*Deformation Induced Microstructural Modification Symposium, TMS 2021 Conference*
- March 2021 **Learning How to Use Twitter**,  
*PHUtutes, Johns Hopkins University, [\[Link\]](#)*
- 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

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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

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<i>Role: Instructor at Johns Hopkins University, USA</i>			Credit(s)
2021	Biomedical Engineering Innovation (Summer)		3
2020	HEART Program: Looking at Atoms and Viruses (Fall)		1
2020	Biomedical 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
<i>Role: Teaching Assistant at Johns Hopkins University, USA</i>			
2018	Phase Transformation of Materials (Spring)		3
2017	Mechanical Properties of Materials (Fall)		3
<i>Role: Teaching Assistant at Arizona State University, USA</i>			
2016	Aerospace Structure and Materials (Fall)		3
2015	Mechanics of Materials (Fall)		3
<i>Role: Engineering Tutor at Arizona State University, USA</i>			
2015	Lead Engineering Tutor, <i>Tempe Campus</i> (Spring)		
2014	Engineering Tutor, <i>Tempe Campus</i> (Fall)		

## Students Supervised

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

<sup>1</sup> co-authors on publications with S.E.P

<sup>2</sup> awarded the CMEDE Undergraduate Research Apprenticeship Program (URAP) with support from S.E.P

<sup>3</sup> awarded the Maryland Space Grant Consortium Scholarship with support from S.E.P



## Training and Workshops

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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

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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

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2022 - 2023	<b>Symposium Organizer:</b> TMS 2023 - Materials Processing and Manufacturing Division
2022 - 2022	<b>Reviewer:</b> Progress in Natural Science: Materials International
2022 - 2022	<b>Reviewer:</b> Journal of Process Mechanical Engineering
2021 - 2022	<b>Judge:</b> Future City International Finals Competitions
2021 - 2022	<b>Symposium Organizer:</b> Slip, Twins and Voids symposium - Mach Conference
2020 - 2021	<b>Reviewer:</b> Continuum Mechanics & Thermodynamics
2020 - 2021	<b>Reviewer:</b> Journal of Magnesium & Alloys
2020 - 2021	<b>Symposium Organizer:</b> Slip, Twins and Voids symposium - Mach Conference
2020 - 2021	<b>Board Member:</b> LGBTQ Graduate Advisory Board, JHU, <a href="#">[Link]</a>
2019 - 2020	<b>Reviewer:</b> Acta Materialia
2018 - 2020	<b>Co-chair:</b> Homewood Council for Inclusive Excellence, JHU, <a href="#">[Link]</a>
2016 - 2018	<b>SABES Mentor:</b> STEM Achievement in Elementary Schools, Baltimore, <a href="#">[Link]</a>
2015 - 2016	<b>Travel Grant Reviewer:</b> Graduate and Professional Student Association, ASU, <a href="#">[Link]</a>
2014 - 2016	<b>Board Member:</b> Residency Classification Appeals Board, ASU, <a href="#">[Link]</a>

## Ongoing Collaborations

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- 2021 George Pharr (TAMU, USA)
- 2020 Taisuke Sasaki and Kazuhiro Hono (NIMS, Japan)
- 2019 Joseph D. Robson (University of Manchester, UK)
- 2019 Guruswami Ravichandran (Caltech, USA)
- 2018 Dennis M. Kochmann (ETH Zurich, Switzerland)
- 2016 Michael L. Falk (Johns Hopkins University, USA)
- 2016 KT. Ramesh (Johns Hopkins University, USA)

## Media Coverage

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- 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", *JHUEngineering*, [\[News\]](#)
- 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

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1. **Timothy P. Weihs, Professor**  
Department of Materials Science & Engineering, Johns Hopkins University, USA  
Relationship: Ph.D. Thesis Advisor, Email: [weihs@jhu.edu]
2. **Zachary Cordero, Assistant Professor**  
Department of Aeronautics & Astronautics, Massachusetts Institute of Technology, USA  
Relationship: Postdoctoral Advisor, Email: [zcordero@mit.edu]
3. **KT Ramesh, Professor and HEMI Director**  
Department of Mechanical Engineering, Johns Hopkins University, USA  
Relationship: Research Collaborator, Email: [ramesh@jhu.edu]
4. **Burigede Liu, Assistant Professor**  
Department of Engineering, University of Cambridge, UK  
Relationship: Research Collaborator, Email: [bl377@eng.cam.ac.uk]
5. **Dennis M. Kochmann, Professor and Deputy Head of Department**  
Department of Mechanical & Process Engineering, ETH Zurich, Switzerland  
Relationship: Research Collaborator, Email: [dmk@ethz.ch]
6. **Guruswami Ravichandran, Professor**  
Department of Mechanical & Aerospace Engineering, Caltech, USA  
Relationship: Research Collaborator, Email: [ravi@caltech.edu]
7. **Jagannathan Rajagopalan, Associate Professor**  
Department of Mechanical Engineering, Arizona State University, USA  
Relationship: MS Thesis Advisor, Email: [jagannathan.rajagopalan@asu.edu]
8. **Michael Falk, Professor and Vice Dean of Undergraduate Education**  
Department of Materials Science & Engineering, Johns Hopkins University, USA  
Relationship: Research Collaborator, Email: [mfalk@jhu.edu]
9. **Debjoy Mallick, Research Scientist**  
Army Research Lab, USA  
Relationship: Research Collaborator, Email: [debjoy.d.mallick.civ@mail.mil]
10. **Taisuke Sasaki, Scientist**  
National Institute for Materials Science (NIMS), Japan  
Relationship: Research Collaborator, Email: [sasaki.taisuke@nims.go.jp]