Summary of the
31st Annual Students’ Symposium
6 - 7th September 2018, Lecture Theatre, Department of Materials Engineering, IISC
Dear Team Symposium,
It is heartening to note that the 31st Annual Student's Symposium is underway now. I know that it is a proud, memorable, significant and glorious moment for the Department and the students in particular, as I was part of the organising team of the 10th Symposium held in 1997 coinciding with the Golden Jubilee of the Department.
My heartfelt congratulations and wishes for the event to be successful.
Thanks and regards

“Shankara”
R. Sankarasubramanian
Scientist F
Modeling and Simulation Group
DMRL, Hyderabad

Dear Students,
It brings back memoirs. Way back in 1990 and 1991 I won the best presentation awards twice over in a row and the third time they disqualified me saying that even the president of USA cannot run for a third time. I did my PhD from Prof. Kishore. Happy belated teachers’ day. Have fun while learning!
Padmanabhan Krishnan

Dear team,
Thanks for sending me the invitation to the symposium. I have gone through the titles and I am happy students of our department are doing interesting and important work in a variety of fields. I live far away and cannot make it to the campus. I wish the symposium, the cultural evening and UG materials club inauguration great success.

Dr. N.Balasubramanian

Dear Students,

Thank you for the invitation.
The meeting program looks very impressive.
I was at an identical symposium 11 years ago (it was in July, then) and I am certain that you will have an even greater success this time in terms of both attendance and the quality of presentations. My best wishes to all the participants.
Even though I will not be able to attend this, I am sure that my friend Prof. S. Ranganathan will keep me posted on how the presentations went. My compliments to the Faculty and students of the Department,

Durai Raghavan, Class of 1960-62

Dear Students,

I am happy that is going on in a very successful manner.
Let me wish you a grand success for this symposium.
With best wishes,

N.K. Mukhopadhyay

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Thanks a lot for the information. I wish I could attend the symposium which we started nearly 30 years back in the Department. I am happy that is going on in a very successful manner.

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Dr. N.Balasubramanian
Dr. Tata Narasinga Rao  Scientist ‘G’ & Associate Director, ARCI, Hyderabad

Translational Nanomaterials Research (From laboratory to the market)
Symposium talk-1, 6th Sept, 11.00 am

Dr. Tata Narasinga Rao
Material engineering with layered solids
Enhancing the Ignition Resistance of Magnesium Through Composition Control and Utilizing Composite Technology
Symposium talk-IV, 7th Sept, 03.30 pm

Dr. Neelakandan C. Senior General Manager, Product Development Group, 3M India Limited, Bengaluru

Havan, Hemodialysis and Hi-Tech Polymers
Professional journey of a generalist
Oral Presentation participants

Bhalachandra  Dipak.K  Abhinav  Mitta Divya  Gyan  Levie
Prasoon  Priya  Srijan  Esakkiraja  Kiran  Paresh
Goutam  Nitish  Amit  Ananya  Dipali  Yazar
Oral Presentations
Oral Presentations, Prizes

Winner: Esakkiraja  Runner up: Dipali  Runner up: Yazar
Poster Presentations

- Arpana P.
- Sushma I.K.
- Devbharthi N.
- Lopamudra D.
- Anwesha K.
- Shreehard S.
- Kaustubh S.
- Divya S.
- Sagar N.
- Rajeev M.
- Faizan H.
- Anupam M.
- Ujjval B.
- Nidhish S. (UG)
- Babusha (UG)
- Mousumi B.
- Rohith K.M.S. (U.G)
Poster Session
Poster Presentations, Prizes

Rajiv M.  Lopamudra  Nidhish S.  Anwesha K.  Faizan H.

Winner  Runner up
The Moon - Heart Cell
Optical micrograph of heart cells seen at 10X. When zoomed out extensively the bright field image resembles a moon as seen from a telescope.

Winner
Aditi Jain

Fishes in a Basket: Fish Trade Under Microscope-Kerala Weeps
Brief: Additively Manufactured Cobalt Chrome Molybdenum (CoCrMo) alloy. The brown image depicts transverse weld pools (built using Direct Metal Laser Sintering process) while the insert image on top are weld bead structures (indicating depth of laser penetration). The angle between sintered layers: 67 degrees (prime number to help form isotropic structure) is visible.

Runner up
S. Kiran

Paddy field couples growth in the Sn-Zn off-eutectic alloy

Runner up
Nidhish Sagar (UG)
Butterflies on Marigold
BSE micrograph of Al-Cu-Si eutectic.

Nano Bricks
Co based Super Alloy

Gem stone
Shown here is a SEM micrograph of cells grown on silicon micropillars pseudo colored in magenta. The big blob seen is chunk of cells which looks like a Magenta Sapphire, a gem stone.
Special mention for attending maximum talks

Category: Faculty Members

Prof. Rajeev Ranjan  Prof. Dipankar Banerjee  Dr. Abhik Chaudhary
ACKNOWLEDGEMENTS

Special mention for attending maximum talks

Category: Students

Nitish B.  
Dipali S.  
Priya G.

and for helping with the abstract booklet

** excluding the organising committee
ACKNOWLEDGEMENTS

Special mention for Initiating “Amalgam”

The Undergraduate Materials Club

- **Goals:**
  - To expose undergraduate students to research in the field of materials science and engineering beyond classrooms
  - To foster interaction between undergraduates, postgraduates, faculty members and the larger materials science community.

- **Few club activities:**
  - Talks: Professor/Alumni/Industrial talks and student talks
  - Club Projects and industrial visits
  - Lunch with a Prof
  - Active participation in department events

- **Club conveners:**
  - Babusha (babusha@iisc.ac.in)
  - Rohith K.M.S (rohithk@iisc.ac.in)
ACKNOWLEDGEMENTS

Faculty members for judging various events

Prof. Rajeev Ranjan  Dr. Abhik Chaudhary  Dr. Chandan Srivastava  Dr. Subho Dasgupta
ACKNOWLEDGEMENTS

Session Chairs

Dr. Kaustubh.V
Dr. Deepak S.
Mr. Abhishek S.
Mr. Nalla Somaiah

Mr. Sambit Bapari
Mr. Sumit B.
Mr. Naveen
ACKNOWLEDGEMENTS

Faculty coordinators for their cooperation

Chairman: Prof. Abinandanan
Dr. Kaushik Chatterjee
ACKNOWLEDGEMENTS

Staff members for their cooperation

Mr. Sridharan  Mrs. Lakshmi  Mr. Satish
Mrs. Chaitra  Mrs. Shanthamma  Mr. Naranappa  Mr. Raju

Mrs. Bharathi for poster session arrangements and travel liaison

Staff members for Audio/Video Support

Mr. Babu  Mr. Krishnamurthy
VOTE OF THANKS
32ND ANNUAL STUDENTS’ SYMPOSIUM TENTATIVE COMMITTEE- JAN 2019

• Abhinav Arya
• Naveen
• Divya
• Keerti

• Volunteers welcome from Ph.D. masters and UG programmes.
ACKNOWLEDGEMENTS

Srijan and Soumita for helping us conclude the event at the right note

Video link
Thanks from the team

Shobhit
Ali
Abhinav
Naveen
Divya
Avinash
Anuj
Sangeeta
Keerti
Muni K.
Ananya
Abhinav
Shobhit
Jyotheender