

## Event Report: Insights from Global Leaders in Robotics

Date: 20th November 2024

Time: 6:45 to 9:00 pm IST

Mode: Virtual

No of Participants Attended: 193 ,

No of IEEE Participants Attended: 87

- *Note: we had participants from more than 7 countries.*

### Organized by:

**IEEE Robotics & Automation Society of Hyderabad Section Chapter, India**

*in Association with*

- IEEE RAS Universidad Veracruzana Ing Boca del Rio, Mexico
- IEEE RAS New Hemisphere Section Chapter, USA
- IEEE RAS SBC Mehran Univ of Engineering and Technology, Pakistan
- IEEE RAS SBC Sreenidhi Institute of Science & Technology, India
- IEEE RAS Nigerian Section Chapter, Nigeria
- IEEE RAS SBC Matrusri Engineering College, India
- IEEE RAS SBC VNR Vignana Jyothi Inst Of Eng & Tech, India
- IEEE RAS SBC Madanapalle Institute of Technology & Science, India
- IEEE RAS SBC KL University Hyderabad, India
- IEEE SB KL University Vijayawada, India

### **Event Overview**

The IEEE Robotics and Automation Society Hyderabad Section Chapter successfully launched its first webinar in the 'Insights from Global Leaders in Robotics' series on 20th November 2024. The event brought together more than 150 participants from 10 different countries, connecting global experts and aspiring engineers to share insights, research, and career opportunities in robotics.

## Agenda and Schedule

The webinar began at 6:45 PM IST with participants joining the virtual platform.

### Event Highlights:

1. Welcome and Introduction by the Anchor: Mounika, Secretary of IEEE RAS Hyderabad Section Chapter, welcomed all participants and anchored the meeting.
2. Welcome Address and Introduction to IEEE Hyderabad Section:  
Speaker: Dr. Y. Vijayalatha, Chairperson, IEEE Hyderabad Section.  
Dr. Vijayalatha provided an overview of the initiatives, milestones, and contributions of the IEEE Hyderabad Section.
3. Introduction to IEEE RAS Hyderabad Section Chapter:  
Speaker: Dr. Sudharsan Jayabalan, Chairman, IEEE RAS Hyderabad Section Chapter.  
Dr. Sudharsan highlighted the chapter's vision and achievements and shared insights from his entrepreneurial journey.

### Talk Sessions

- **Talk 1: Social and Educational Robotics for Children with Intellectual Disabilities**  
Speaker: Prof. Dr. Jawaid Daudpota, Mehran University of Engineering and Technology, Pakistan  
Dr. Daudpota discussed how robotics can address social and educational challenges for children with intellectual disabilities, sharing real-world applications and case studies.
- **Talk 2: Multiagent Robotics**  
Speaker: Dr. Rogelio de Jesús Portillo Vélez, Ph.D., Universidad Veracruzana Ing Boca del Rio, Mexico  
Dr. Vélez delivered an insightful session on multiagent robotics, highlighting their role in industrial automation, swarm robotics, and collaborative problem-solving. He emphasized the potential of multiagent systems to revolutionize industries.

- **Talk 3: Robotics as a Subsumption: Career Opportunities**

Speaker: Dr. Raghavan, Emeritus Fellow, Motorola & Chair, IEEE RAS New Hampshire Section, USA

Dr. Raghavan presented an engaging talk on subsumption architecture and its applications in robotics. He shared insights on nano-robots in the medical field, man-machine collaboration, and his startup focusing on robotics for musical instruments.

### **Engagement and Q&A Sessions**

After each talk, participants engaged with the speakers in interactive Q&A sessions, fostering lively discussions and deeper insights into the topics covered.

### **Conclusion and Thank You Note**

The webinar concluded with a thank-you note from the anchor, Mounika, acknowledging the invaluable contributions of all speakers and the enthusiastic participation of attendees. The session was a grand success, leaving participants inspired and motivated.

### **Feedback Summary**

Participants appreciated the event's structure, the relevance of the topics, and the opportunity to interact with global experts. The session was lauded for its professionalism, insightful talks, and inspiring content.

### **Acknowledgments**

We extend our heartfelt gratitude to all speakers, organizers, and participants for making this event a memorable and impactful experience. Special thanks to the IEEE Hyderabad Section for their continued support and encouragement.

mounika    **Jawaid**    Dr Sudharsan Ja...    Prof.Y.Vijayalata    Park Jimin    LAKSHMIPATHI    +117



**Insights from Global Leaders in Robotics**

# Social and Educational Robots for Children with Intellectual Disabilities



**Jawaid Daudpoto**  
 Mehran University of Engineering & Technology,  
 Jamshoro, Sindh, Pakistan  
 20.11.2024



mounika	Dr. Rogelio Portillo-Velez	Dr Sudharsan Jayabalan	srikanth	Swathi Vijayanagaram
Jawaid	<b>Sridhar Raghavan</b>	Prof.Y.Vijayalata	Toogu Rohini	Babajan
shanu	Amrutha BS	Rupesh Reddy K	sasikala	B NANDA KISHORE
Y V Kumar	BATHULA PRASANNA	UD. Chandrakala	Anjith Kumar Bathala	Deepthi
DANTHU VENKATA HA...	V H Hemagiri	Thanniru Madhu kiran	Hemanth G	Emmanuel

+109

1:59:48

Dr. Rogelio Portil...    mounika    Jawaid    Dr Sudharsan Ja...    Mahaboob Basha    Sridhar Raghavan    +131





Universidad Veracruzana

# Recent Advances and Career Opportunities in robotics

“Insights from Global Leaders in Robotics”.

**Dr. Rogelio de Jesús Portillo Vélez**

Electrical and Electronics Engineering Faculty  
Veracruz-Boca del río  
“Lis de Veracruz: Arte, Ciencia, Luz”  
November 20th, 2024.



Dr. Rogelio Portil...    mounika    Jawaid    Dr Sudharsan Ja...    Vidhyashree    Sridhar Raghavan    +129

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## Extension to multiagent manipulator systems



