



Conference on Advanced Rider Assistance Systems (CARAS 2025)

Date: 28th Aug 2025

Venue: Prof. Tsuda Hall, TVS IQL

Call for Papers

We invite engineers, researchers, and technologists to submit **original and unpublished** work exclusively to **CARAS 2025**. This is a platform to showcase solutions that will define the future of rider assistance in two-wheelers.

Important Dates:

- **Abstract Submission Deadline:** 30th May 2025
- **Draft Paper Submission:** 10th July 2025
- **Final Presentation Submission:** 01st August 2025
- **Conference Date:** 28th August 2025

Review & Publication:

- All submissions will undergo a plagiarism check and peer review.
- Accepted and presented papers may be considered for publication in IEEE Xplore.

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Abstract Guidelines

The abstract should be **150 to 300 words**, written in **Times New Roman, 10 pt font** with **single line spacing**. Ensure the content is **concise, informative** and **well-structured**, addressing the following key elements:

- **Background:** Briefly outline the context and explain the importance of the topic.
- **Objective:** Clearly state the purpose or the specific problem being addressed.
- **Method:** Summarize the methodology, framework, or technique applied.
- **Results:** Highlight the main findings or data-driven insights (if available).
- **Conclusion:** Emphasize the significance, application, or broader impact of the work (if available).

Author Guidelines

Please adhere to the IEEE standards for submissions:

- Use the **IEEE Author Guidelines** (<https://newauthors.ieeeauthorcenter.ieee.org/writing/>)
- Strictly follow the **IEEE Templates** (preferably US letter format) (<https://www.ieee.org/conferences/publishing/templates.html>)
- Maximum of **6 pages** per submission
- Limit references to **12–13 entries**

Submissions should demonstrate originality, technical rigor, clarity, and relevance to the ARAS domain.

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Topics of Interest

CARAS 2025 welcomes papers on the following (but not limited to) ARAS-related themes:

- Sensors & Actuators
- Signal Processing
- Sensor Fusion
- Vehicle Control Systems
- Powertrain Control for ARAS
- Mechatronics
- Automation in ARAS
- UI/UX Design for ARAS
- Infotainment Systems
- Communication Protocols
- Cloud & Edge Computing
- Machine Learning & AI for ARAS
- Vision Systems
- Mapping & Localization
- Verification and Validation Techniques
- Rapid Prototyping
- Materials for ARAS
- NVH and Multiphysics Analysis (Thermal, Structural, EM, CFD)
- Ergonomics, Style & Aesthetics
- Software Design & Architecture
- IP Strategy for ARAS
- Safety & Security Systems
- Control Algorithms
- HIL Testing for ARAS
- Project Management for ARAS

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Why Participate?

- Showcase your work to **industry leaders and global experts**
- Be a part of **TVS Motor's innovation ecosystem**
- Awards for **Best Papers and Innovations**
- Opportunity to **publish in IEEE Xplore**

Contact

For further details or to submit your papers, contact us at:
9945668025 / 09952438917

Email abstract by due date

To : Dr. Kavitha Kommuri KN.Kavitha@tvsmotor.com

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For more information on CARAS 2025:

<https://www.tvsiql.com/conferences/>