

**UiTM**

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# CivileEdge

e-Newsletter

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# ADVANCING KNOWLEDGE. CREATING IMPACT

Our news & research highlights reflect the faculty's continued commitment to advancing knowledge with real-world impact.



GEOTRENRESEARCHHIGHLIGHTS

# ADVANCING HOLISTIC MOBILITY SOLUTIONS THROUGH MULTIDISCIPLINARY COLLABORATION WITH THE IATSS FORUM

Written by: Dr Nor Izzah Zainuddin & Ir. Ts. Dr. Mazlina Zaira Mohammad

Since its establishment in 1985 through the philanthropy of Mr. Soichiro Honda, founder of Honda Motor Co., Ltd., and his business partner, Mr. Takeo Fujisawa, the International Association of Traffic and Safety Sciences (IATSS) Forum has invited participants from across Asia under the guiding philosophy of "Thinking and Learning Together." Over the past four decades, the Forum has produced more than 1,200 alumni from ten Asian countries, many of whom now hold influential roles in industry, government, academia, and civil society, contributing meaningfully to the advancement of safe and sustainable societies.

In recent years, collaboration with the IATSS has entered a new phase, marked by increased alumni engagement and the expansion of research-driven initiatives. Over the past decade, alumni activities have become more active and structured, leading to the introduction of collaborative research projects jointly implemented with the IATSS Forum Alumni Association. This shift reflects a strategic move from individual leadership development towards collective, cross-sectoral impact.

Central to the IATSS Forum's vision is the recognition that mobility is not only a matter of transport technology. It is intrinsically linked to environmental sustainability, economic development, education, public health, governance, and legal frameworks, and ultimately shapes the quality of everyday life. Responding to this complexity, the Forum has progressively refined its programme focus over the past ten years to explore sustainability and well-being through the lens of mobility, adopting a multidisciplinary approach that enables more holistic and inclusive solutions. Such an approach allows diverse expertise to converge, strengthening both the quality of outputs and the long-term societal outcomes.

**"Enhancing traffic safety for school children through VR360 development and safe schools initiatives with a holistic framework"**

In line with this vision, the IATSS Forum continues to nurture leaders who are committed to building a safe, sustainable, and inclusive society where no one is left behind. In 2025, two staff members from the Faculty of Civil Engineering, Ir. Ts. Dr. Mazlina Zaira Mohammad (IATSS Forum 63rd Batch) and Dr. Nor Izzah Zainuddin (IATSS Forum 66th Batch), were awarded two competitive research grants from IATSS Japan.

The awarded projects are:  
“Breaking Barriers 2.0 - Wheelchair Tennis” Project  
Funded by the IATSS Forum Japan with a total grant amount of RM8,171.00 (USD 2000), this project promotes inclusivity, well-being, and social participation through adaptive sports, demonstrating how mobility extends beyond transportation to encompass social empowerment and health.

Also supported by RM110,000.00 (¥4,038,554.00) grant from IATSS Forum Japan, this project integrates engineering, education, technology, and behavioural science to improve road safety awareness among school children using immersive VR360 tools within a holistic safety framework.

These initiatives exemplify how multidisciplinary collaboration, bridging engineering, education, health, social inclusion, and technology, can generate more comprehensive, impactful, and sustainable outcomes, reinforcing the Faculty’s commitment to research that meaningfully serves society.



# MORE INFORMATION ABOUT US



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## Contact Us



**Phone Number**  
+603-5543 5248



**Email Address**  
pkashahalam@uitm.edu.my



**Address**  
Faculty of Civil Engineering  
Universiti Teknologi MARA  
40450 Shah Alam  
Selangor, Malaysia



/fka.uitm.edu.my



/uitmfka



/fkauitm



/civilengineering-uitm



/fkauitm-main

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UiTM *di hatiku*

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