

School of Planning and Architecture (SPA) Vijayawada  
Institute of National Importance, MoE, Govt of INDIA



**Department of Architecture**

**Report Submission**

**Research Paper Titled: The Influence of Entrance Lobby Space on Passengers' Anticipation Behaviour**

**at**

The 4th iSCAN Symposium: A premier scientific conference on spatial navigation in aging and neurodegeneration (4-6) December 2023 at German Center for Neurodegenerative Diseases e.V. (DZNE) Magdeburg, Germany.



By

**Dr Anil Kumar Chilakapati**  
Employment No: 111090005  
Assistant Professor of Architecture

## ACKNOWLEDGEMENT

I want to convey my gratefulness to **Ar. Dr. Amogh Kumar Gupta**, Chairperson, Board of Governors SPA Vijayawada, for allowing me to attend the **4th iSCAN Symposium during (04-06)** December 2023. The skills and knowledge I gained during my participation and presentation are perceived as very valuable components for my future - Academic and research career development.

I want to express my Sincere thanks to **Prof. Dr Ramesh Srikonda**, Director, SPA Vijayawada, for his generous support for accepting and allowing me to this workshop program, which helped me to undergo Global research expertise information and for giving me the opportunity to share my views in the discussion forum of researchers and scientists of *participants across globe and DZNE, Magdeburg*. My Sincere thanks and appreciation to **Shri. Uma Maheswar Rao Garu**, Registrar, SPAV, for his continuous administrative support. Also, My Sincere thanks and appreciation to **Dr Ayon Kumar Tarafdar**, Dean of Academics, **Dr Sarkar Amitava**, Dean FIC, and **Dr Umasankar Basina**, HOD Architecture, for their recommendation of the above conference program with all good companionship.

Thank you once again for your great support in the successful completion of my conference participation program



Sincerely,

**Anil Kumar Chilakapati**

Employment No: 111090005

Assistant Professor of Architecture

## INTRODUCTION

Ground-breaking advances in research have uncovered the neural systems underlying spatial cognition and navigation and rapidly ageing populations across the world; it is crucial to understand the fundamental mechanisms of ageing and disease, in particular, their impact upon spatial cognition, for the development of clinical assessment tools and interventions that help maintain people's independence. In continuation to the success of previous iSCAN meetings, the 4th iSCAN 2023 is a unique in-person symposium that brings together leading scientists in the field of lifespan development, neurodegenerative diseases, and spatial cognition, who use a diverse range of methodologies and species.

In addition to the stimulating academic program, iSCAN has provided ample opportunities for networking and socializing among researchers and scientists across the globe. I was given a chance to connect with like-minded professionals across shared experiences and establish new collaborations in the field of spatial cognition and navigation, especially in the specific domain.



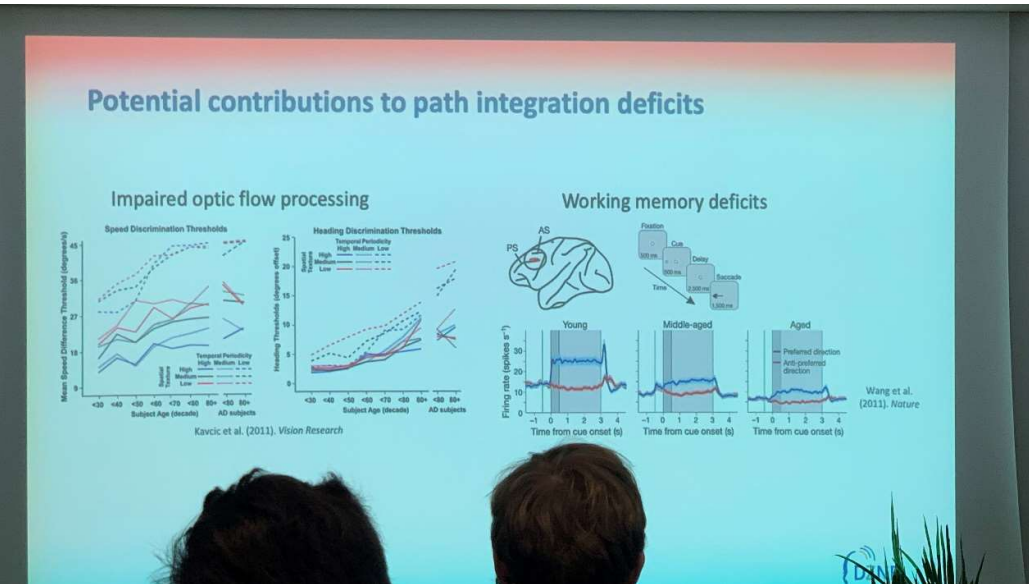
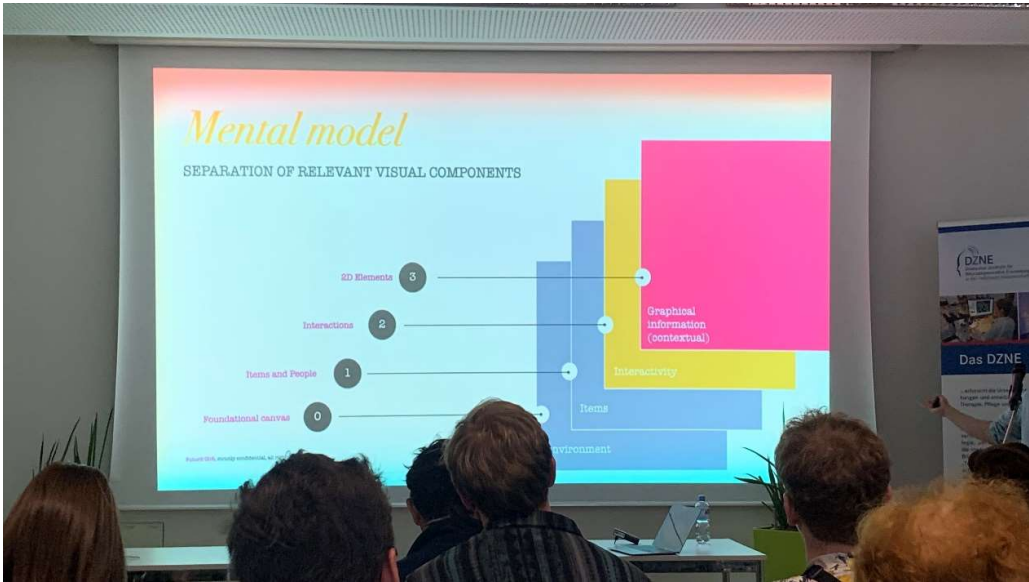
## PLACES VISITED

1. Magdeburg via Berlin Airport by Train
2. DZNE, Magdeburg
3. Special dinner for all the conference participants at Toro Grasso on the evening of 05 December'23.
4. Wolber's Lab of Spatial Navigation and VR models.



## Sessions (Consolidated - Few)





**Special Dinner arranged by the organisers (Toro Grasso on 05 December'23 evening)**



# PANEL DISCUSSIONS





# WOLBER'S -DZNE SPATIAL NAVIGATION LAB VISIT AND MODELS UNDERSTANDING



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iSCAN

4th DZNE Interdisciplinary Symposium on  
Spatial Cognition in Aging & Neurodegeneration



## CERTIFICATE

Hereby we confirm the participation of

**Dr. Anil Kumar Chilakapati**

in iSCAN 2023 (Dec 4<sup>th</sup> – 6<sup>th</sup>, 2023)

at the German Center for Neurodegenerative Diseases e.V. (DZNE)  
in Magdeburg, Germany.

Prof. Thomas Wolbers  
Group Leader Aging & Cognition

Prof. Motoharu Yoshida  
Group Leader Cognitive Neuropsychology

Magdeburg, 06.12.2023



## CONCLUSIONS

The Conference tour is intended to familiarise me with the various facets of spatial navigation specific to an intuitive - environment. Architecture is a profession of versatile social crafts with human/user sense & logic. A close look into neuroscience and navigation within architecture would help realise an evidence-based approach to building forms. In fact, science and design integration would pursue more logic and meaningful place-making.

During this conference, I moved around extensively in DZNE, Magdeburg and Christmas markets, and the city centre. I met many participants across the globe with different cultures, languages, styles of living, and knowledge, which helped to strengthen my diversified knowledge of people, space, and knowledge. Also, this tour helped me to dive into a more critical and conscious narration of our built environment design especially in cognition and navigation.

I want to express my sincere thanks and gratitude to Prof. Dr. Ramesh Srikonda, Director, SPA Vijayawada and the administration team for their support in making this conference presentation tour the most educative and successful.



*Sincerely*

***Dr. Anil Kumar Chilakapati***