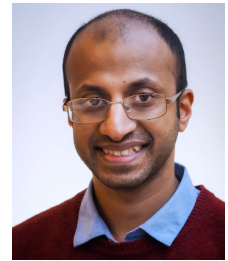


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Research outputs

The influence of inter-regional delays in generating large-scale brain networks of phase synchronization

Williams, N., Ojanperä, A., Siebenhühner, F., Toselli, B., Palva, S., Arnulfo, G., Kaski, S. & Palva, J. M., 1 Oct 2023, In: *NeuroImage*. 279, p. 1-22 22 p., 120318.

Chunking up speech in real-time: Linguistic predictors and cognitive constraints

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Modules in connectomes of phase-synchronization comprise anatomically contiguous, functionally related regions

Williams, N., Wang, S. H., Arnulfo, G., Nobili, L., Palva, S. & Palva, J. M., 15 May 2023, In: *NeuroImage*. 272, p. 1-16 16 p., 120036.

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Yadav, Y., Elumalai, P., Williams, N., Jost, J. & Samal, A., 2023, In: *Frontiers in Aging Neuroscience*. 15, p. 1-19 19 p., 1120846.

Perceptual chunking of spontaneous speech: Validating a new method with non-native listeners

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Graph Ricci curvatures reveal atypical functional connectivity in autism spectrum disorder

Elumalai, P., Yadav, Y., Williams, N., Saucan, E., Jost, J. & Samal, A., 18 May 2022, In: *Scientific Reports*. 12, 1, p. 1-19 19 p., 8295.

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Markov Model-Based Method to Analyse Time-Varying Networks in EEG Task-Related Data

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Neurophysiological signatures of Alzheimer's disease and frontotemporal lobar degeneration: pathology versus phenotype

Sami, S., Williams, N., Hughes, L. E., Cope, T. E., Rittman, T., Coyle-Gilchrist, I. T. S., Henson, R. N. & Rowe, J. B., Aug 2018, In: *Brain*. 141, p. 2500-2510 11 p.

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Preserved cognitive functions with age are determined by domain-dependent shifts in network responsivity
Williams, N. & Cam-CAN consortium, 8 May 2017, In: Nature Communications. 8, 14 p., 14743.

The Cambridge Centre for Ageing and Neuroscience (Cam-CAN) data repository: Structural and functional MRI, MEG, and cognitive data from a cross-sectional adult lifespan sample
Taylor, J. R., Williams, N., Cusack, R., Auer, T., Shafto, M. A., Dixon, M., Tyler, L. K., Cam-Can & Henson, R. N., 1 Jan 2017, In: NeuroImage. 144, p. 262-269 8 p.

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Campbell, K. L., Shafto, M. A., Wright, P., Tsvetanov, K. A., Geerligs, L., Cusack, R., Cam-Can, Tyler, L. K. & Williams, N., Nov 2015, In: NEUROBIOLOGY OF AGING. 36, 11, p. 3045-3055 11 p.

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Williams, N. J., Nasuto, S. J. & Saddy, J. D., 30 Jul 2015, In: Journal of Neuroscience Methods. 250, p. 22-33 12 p.

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Hwang, F., Hollinworth, N. & Williams, N., Sept 2013, In: ACM Transactions on Accessible Computing. 5, 1, 1.

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Williams, N., Nasuto, S. J. & Saddy, J. D., 2011, In: Eurasip Journal on Advances in Signal Processing. 2011, 965237.

Activities

Biophysical network models of phase-synchronization in MEG resting-state
Nitin Williams (Speaker)
4 Nov 2021

Institute of Mathematical Sciences
Nitin Williams (Visiting researcher)
Jan 2020 → Mar 2020

FRONTIERS IN COMPUTATIONAL NEUROSCIENCE (Journal)
Nitin Williams (Editorial board member)
2020

Network: Computation in Neural Systems (Journal)
Nitin Williams (Editorial board member)
2018

Biomedical Signal Processing and Control (Journal)

Nitin Williams (Reviewer)

2011 → 2020

Biomedical Signal Processing and Control (Journal)

Nitin Williams (Reviewer)

2011 → 2020

Brain Connectivity (Journal)

Nitin Williams (Reviewer)

2011 → 2020

Entropy (Journal)

Nitin Williams (Reviewer)

2011 → 2020

Eurasip Journal on Advances in Signal Processing (Journal)

Nitin Williams (Reviewer)

2011 → 2020

FRONTIERS IN BEHAVIORAL NEUROSCIENCE (Journal)

Nitin Williams (Reviewer)

2011 → 2020

FRONTIERS IN COMPUTATIONAL NEUROSCIENCE (Journal)

Nitin Williams (Reviewer)

2011 → 2020

Frontiers in Neuroscience (Journal)

Nitin Williams (Reviewer)

2011 → 2020

Human Brain Mapping (Journal)

Nitin Williams (Reviewer)

2011 → 2020

IEEE Access (Journal)

Nitin Williams (Reviewer)

2011 → 2020

IEEE Transactions on Neural Systems and Rehabilitation Engineering (Journal)

Nitin Williams (Reviewer)

2011 → ...

Journal of Neuroscience Methods (Journal)

Nitin Williams (Reviewer)

2011 → 2020

Network: Computation in Neural Systems (Journal)

Nitin Williams (Reviewer)

2011 → 2020

NeuroImage (Journal)

Nitin Williams (Reviewer)

2011 → 2020

PLoS computational biology (Journal)

Nitin Williams (Reviewer)

2011 → 2020

PloS one (Journal)

Nitin Williams (Reviewer)

2011 → 2020