

**The 4th International Workshop on Computational Neuroaesthetics (WCN 2025)**

**November 11-13, 2025, Bari, Italy (Both online and offline modes)**

**Introduction**

Beauty exists in our daily lives and aesthetic experience is fundamental for us to perceive and appraise the beauty around us. Neuroaesthetics, as a fascinating field, attracts many researchers to devote to unraveling the neural mechanisms in aesthetics. Advanced brain imaging and modulation techniques such as EEG, MEG, rTMS, and functional MRI could monitor neural activity changes in different brain regions with high temporal and spatial resolution, providing great opportunities for exploring the neural mechanism in aesthetics. With increasing data acquired from brain imaging techniques, new computational approaches and machine learning algorithms are eager to analyze the data and facilitate our understanding of Neuroaesthetics. In addition, computational modeling of neural mechanisms in aesthetics is believed to be a key to providing solutions to the challenging issues in Computational Aesthetics and machine creativity in artificial intelligence. Computational Neuroaesthetics, as an inter-disciplinary area, combines psychology, cognitive neuroscience, computational neuroscience, mathematics, and artificial intelligence together to lead a comprehensive understanding and modeling of the mechanisms underlying Neuroaesthetics.

The WCN 2025 workshop will be co-located with the 2025 International Conference on Brain Informatics, November 11-13, 2025 in Bari, Italy. The goal of this workshop is to take stock of the recent progress in neural mechanisms and computational models of aesthetics, and provide a forum for the exchange of ideas from various disciplines, including psychology, cognitive neuroscience, and artificial intelligence. We invite researchers and scientists to submit their high-quality and original works in Computational Neuroaesthetics.

**Topics of Interest**

Research topics of interest include, but not limited to:

* New models and theories of Neuroaesthetics
* Brain imaging studies of Neuroaesthetics
* Brain network and graph theory on Neuroaesthetics
* Machine learning and data analyzing on Neuroaesthetics
* Computational modeling of Neuroaesthetics in aesthetic evaluation
* Computational modeling of Neuroaesthetics in machine creativity
* AI Generated Content (AIGC) for aesthetics

**Submission and Publication**

[[Enter](https://wi-consortium.org/conferences/bi2025/paper submissions and publications.html)]

Similar to the main conference, there are 2 types of paper submissions that are possible:

**TypeⅠ**: Full Paper Submissions. 9-12 pages are strongly encouraged for the regular papers including figures and references in Springer LNCS Proceedings format. All full-length papers accepted will be published by Springer as a volume of the series of LNCS/LNAI.

**TypeⅡ**: Abstract Submissions. Abstracts have a word limit of 1500 words. Experimental research is particularly welcome. Accepted abstract submissions will be included in the conference program and will be published as a single, collective proceedings volume. However, it will NOT be included in the conference proceedings to be published by Springer.

All papers will be peer-reviewed and accepted based on originality, significance of contribution, technical merit, and presentation quality. If the submission gets accepted, the authors will submit a revised (“camera-ready”) version that takes into account this feedback.

**Important Dates:**

* 10 July 2025: Workshop/Special session Proposal Deadline
* 20 July 2025: Full Paper Submission Deadline
* 20 July 2025: Abstract Presentation Submission Deadline
* 10 August 2025: Final Paper and Abstract Acceptance Notification
* 30 August 2025: Accepted Paper and Abstract Registration Deadline
* 11 Nov 2025: Workshops and Special Sessions
* 12-13 Nov 2025: The Brain Informatics Conference

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