

IPAS 6

January 09-10-11 2025, Lyon, France

Call for Special Session Submissions

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Use of GAN in Medical Images: Applicability and Interpretability issues?

Session chairs: Norhène Gargouri and Alima Damak

Abstract - The integration of generative models with medical data marks in the healthcare field, enabling the simulation of pathological patterns and the advancement of personalized patient care. At the forefront of this evolution are sophisticated deep learning models, generative adversarial networks (GANs). These methodologies play a crucial role in refining the generation of medical data that contribute to early diagnosis. In this special session, we explore the revolutionary application of generative models in healthcare. A significant extension of this vision involves leveraging multimodal conditioning within these generative models. This approach includes integrating a wide array of detailed patient data, such as various imaging modalities (including MRI, CT, and X-rays).

Submissions should present original research, case studies, or reviews that highlight the potential of adopting the potential of GANs in healthcare. Accepted papers will be featured in dedicated sessions, providing a platform for in-depth discussions and collaborations aimed at revolutionizing diagnostic practices.

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IMPORTANT DATES

Paper Submission	September 20, 2024
Paper Notification	October 10, 2024
Camera ready paper submission	October 20, 2024
Author registration	November 15, 2024