IPTA

International Conference on Image Processing Theory, Tools & Applications

IEEE

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EURASIP

Special Session Chairs:

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CALL FOR PAPERS: Special Session

Explainable AI for Machine Vision

With the wide-spread of Artificial Intelligence applications in almost every area of our daily-life, Explainable Artificial Intelligence (XAI) emerged as a natural research that seeks to make AI approaches explainable and interpretable, often by means of local approximation and interactive explanations, in order to win trust, and accommodate the newly introduced data protection regulations (GDPR 2016/679 and ISO/IEC 27001). The application of explainable AI algorithms in image processing applications has therefore emerged as a natural field of research where the development of more interpretable deep learning and machine learning technology is investigated. This special session focus to the following:

- Applications of explainable AI algorithms in Image Processing and Machine Vision
- Theoretical development of explainable AI algorithms
- New analytical and convergence results for explainable AI algorithms
- New simulation results for explainable AI algorithms
- New hardware implementation of explainable AI algorithms

For further information, please contact **iptta20@gmail.com**