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## **STIR: an Open Source library for PET and SPECT image reconstruction: status and future**

*Thursday, 27 June 2019 14:30 (25 minutes)*

STIR (Software for Tomographic Image Reconstruction) is Open Source software providing a Multi-Platform Object-Oriented framework for data manipulations in tomographic imaging. Currently, the emphasis is on image reconstruction in emission tomography (PET and SPECT). Motion correction and parametric imaging is also supported. STIR is implemented in C++ but provides both a Python and MATLAB interface. STIR has an active developer community. This talk will give an overview of current and upcoming features. We will also discuss the relation with the Synergistic Image Reconstruction Framework (SIRF) project.

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