## THE SYSTEM DESIGN FOR THE SQUARE KILOMETRE ARRAY (SKA)

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## Abstract

As a global project the Square Kilometre Array (SKA) engineering activities are conducted in parallel at many levels and within many global institutions and companies. While the SKA will offer huge science impact, the myriad of potential solutions to its technical challenges put forward and the sheer complexity of the telescope system indicate a rigorous systematic approach. In projects of this scale, the discipline of system engineering has been found to be the key to a successful, focussed design. This paper will present the approach, progress, status and challenges of the system design effort of the SKA.