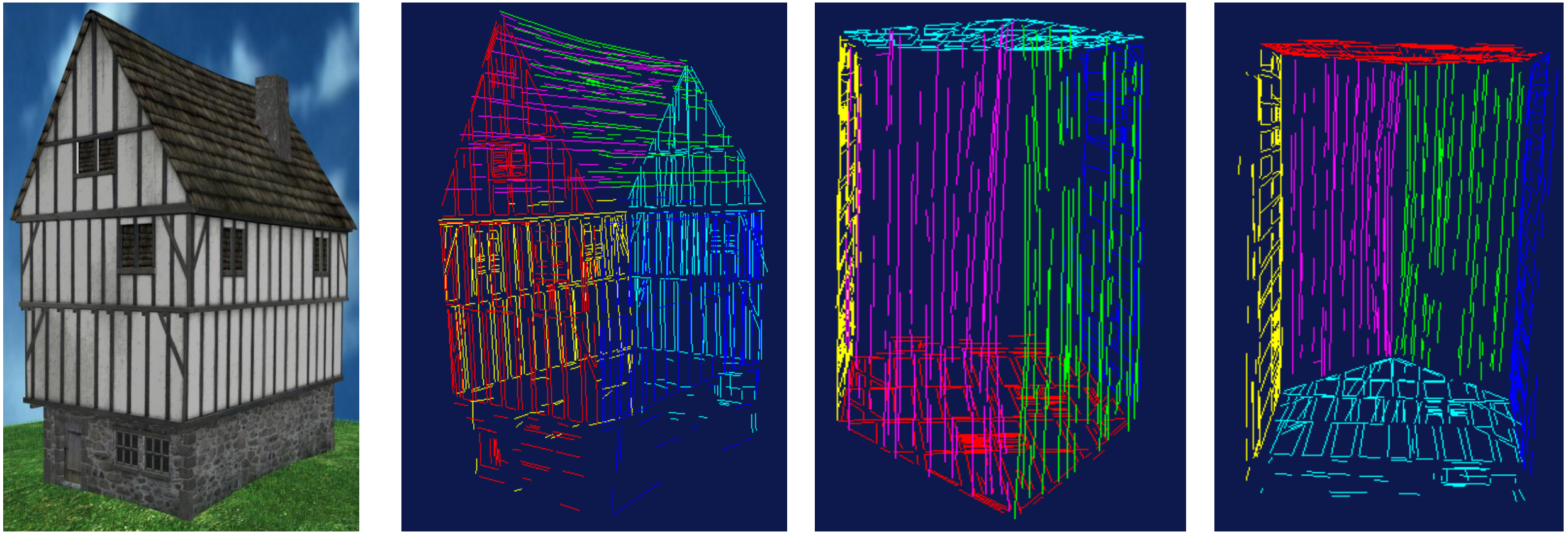
The Paper will be uploaded after the deadline of ICIP 2016 (01/25/2016). The below are some of the sample results generated by our algorithm.

The Result of 3D Line Segment Reconstruction on Synthesis Images[1]

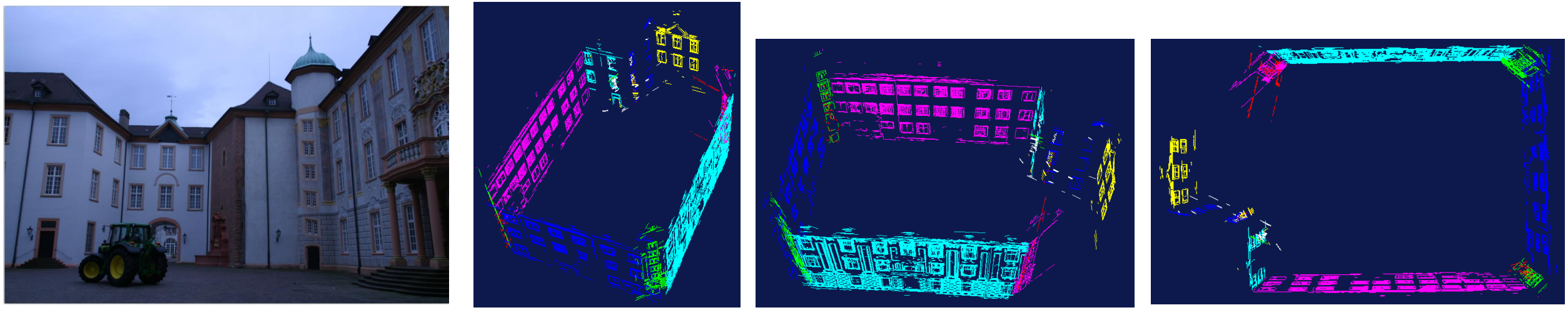


(a) (b) (c) (d)

Figure 1: From the left to right are: (a) One of the images used for 3D line segment reconstruction; (b)~(d) The screen shots of the reconstructed results in different viewpoints. Different colors are used to differentiate 3D line segments lying on different space planes. The reconstructed 3D line segments which are drawn in the same color are supposed to lie on the same space plane. Our proposed 3D line segment reconstruction method can reconstruct 3D line segments as well as recover the 3D space plane on which these 3D line segments lie.

[1]The information of the images is available in: http://resources.mpi-inf.mpg.de/LineReconstruction/

Result of 3D Line Segment Reconstruction on Real Images[1]



(a) (b) (c) (d)

Figure 2: From the left to right are: (a) One of the images used for 3D line segment reconstruction; (b)~(d) The screen shots of the reconstructed results in different viewpoints.

[1]The information of the images is available in: http://cvlabwww.epfl.ch/data/multiview/denseMVS.html