

1145-03-1420 **Wesley Calvert*** (wcalvert@siu.edu), Department of Mathematics, Mail Code 4408, 1245
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Structures*. Preliminary report.

At least since the use of random graphs by Erdős and Renyi, random structures have been objects of ongoing interest in mathematics and logic. Zero-one laws and the structure of Fraïssé limits are certainly of classical interest. However, related considerations have given rise to such concerns as pseudofinite structures, the Lovasz Local Lemma, graphons, Keisler randomizations, algorithmically random structures, and more.

In the present talk we will survey these areas of work and their relations to one another and to other areas of mathematical logic. (Received September 21, 2018)