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Sergi Elizalde and **Peter R. W. McNamara*** (peter.mcnamara@bucknell.edu). *The structure of the consecutive pattern poset.*

The consecutive pattern poset is the infinite partially ordered set of all permutations, where $\sigma \leq \tau$ if τ has a subsequence of adjacent entries in the same relative order as the entries of σ . We study the structure of the intervals in this poset from topological, poset-theoretic, and enumerative perspectives. Among other results, we classify the intervals of the following types: disconnected; shellable; rank-unimodal; strongly Sperner. (Received September 15, 2016)