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*Automorphism groups of subshifts through group extensions*

(joint work with Ville Salo) We will show a way to study automorphism groups of general countable subshifts via group extensions giving – in many examples – explicit descriptions of those groups. As a consequence of this technique we are able to prove that the automorphism group of every countable subshift over an (elementary) amenable group will again be (elementary) amenable. If time permits we will give examples of (non-transitive) sofic  $\mathbb{Z}$ -shifts whose automorphism groups are isomorphic to an extension of the automorphism group of a full shift by Thomson's group  $V$ .