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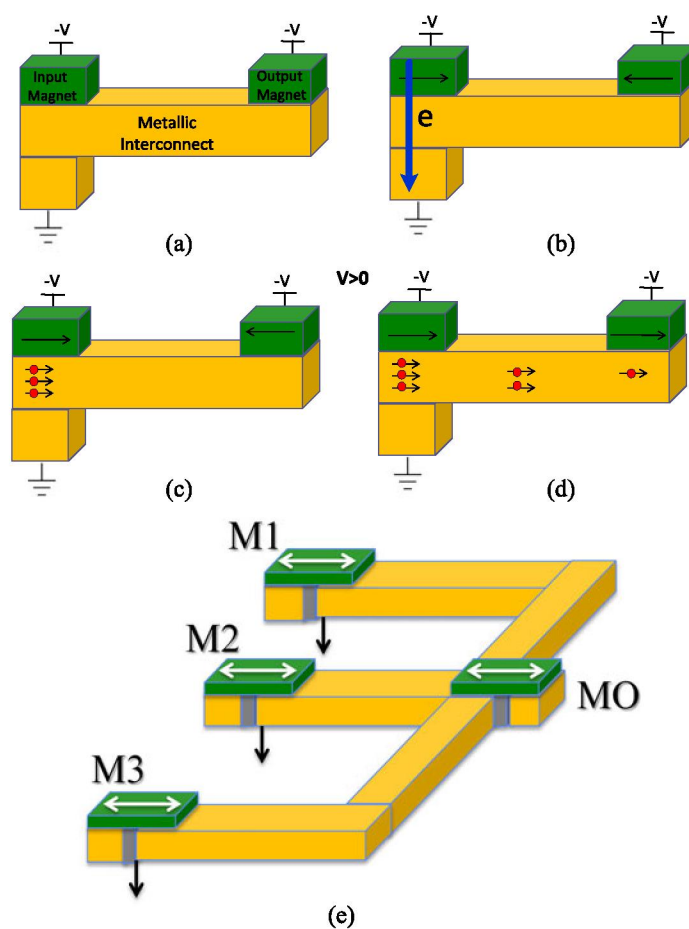
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About the cover: (a) Configuration of single ASL device. (b) Applied voltage on the magnet, creates an electric field and enforces electron movements. (c) Spinpolarized electrons at the input side exhibit a higher density compared to the output side. (d) The diffusion of spin-polarized electrons towards the output magnet, changes the output magnetization direction. (e) An ASL Majority Gate with three inputs [18]. The three input magnets, M1, M2 and M3 are connected to the output magnet MO using three metallic interconnects. See “Smart Detector Cell: A Scalable All-Spin Circuit for Low Power Non-Boolean Pattern Recognition,” by Aghasi *et al.*, p. 357.