Figure 1: Illustration of an interference graph $G$ with 6 nodes and 3 channels. (a) Nodes of $G(V, E)$ are connected if their transmissions conflict on the same channel. Not all channels are available to all nodes, due to presence of static primary users. The interferences graphs associated with each one of the three channels: (b) $G^1(V^1, E^1)$, (c) $G^2(V^2, E^2)$, (d) $G^3(V^3, E^3)$. 