Propositions:

Virtual Power Plants of Electric Vehicles in Sustainable Smart Electricity Markets

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I. The mobility sector and the energy sector will become ever more intertwined with electric vehicles enabling an emission free transportation network.
II. Virtual power plants are effective tools to organize decentralized generation units.
III. The mobility sector needs to increase its vehicle utilization through carsharing initiatives and eventually autonomous driving.
IV. Urban mobility demand patterns can be predicted with a high degree of accuracy for the positioning of vehicle fleets of carsharing, transportation network companies, and autonomous vehicles.
V. The allocation of electric vehicle fleets to virtual power plants avoids conflicts of interests between drivers and fleet owners.
VI. The future of mobility is autonomous, connected, and electric.
VII. Connected mobility and information technology contributes to a more efficient transportation ecosystem.
VIII. Information and augmented reality will enhance our ability to make better informed choices.
IX. Machine learning algorithms that use individual preferences enable efficient resource allocation.
X. Data analytics transforms the decision processes in businesses from rule of thumb decision-making into real-time, evidence-based decision-making.
XI. All good things come in tens.