## WesternSouthCardinaChapter of American Institute of Chemical Engineers

## Proposed February 2021 Virtual/ZOOM Meeting and Presentation

The epication of cost effective heterogeneous catalysis to produce sustainable energy and value added emicals is at the heart of both fundmental and inclustrial catalysis research. In order to allow such a large family of materials to match the degret and provising demistry of their conceptuality of materials to match the degret and provising demistry of the recogneous catalysis is to similar equally maximize the dispession of the supported catalytic metals and to display desired intrinsic chemistry permetal atom. Such avision, infact, sees its immediate relevance in addressing some gentest challenges faced by torky's catalyst industry. For example, the high price of mblemetals, due to their low abundance and supply deficit, has him head the commercial developments of many precisus metal catalysts despite their otherwise gent catalytic performances. For example, even when acatalytic metal atoms at in y size of 3 mm, it is well accepted by the catalysis committy that at least ~ 70% of the catalytic metal atoms are into ortibuling to any given sections. Impoving the dispusion of the supported catalytic metal atoms are intervaling to any given sections.