Yearly report for the Elizabeth and Richard Henes Center for Quantum Phenomena (CQP) for academic year 2019-2020

Externally funded research projects through CQP, brought combined $211,200 in Facilities and Administrative charges during Fiscal Year 2020. Henes Center received 18% of it, or approximately $38,000. The active research projects are:

2. Ramy El-Ganainy, "Wave Mixing", the National Science Foundation.
3. Ramy El-Ganany, "Supersymmetry in Optics and Photonics”, DoD, Army Research Office
5. Dongyan Zhang, "High Brightness Fluorophores II”, Stabilux Biosciences and NSF.
7. Elena Giusarma, "Simulation the Large-Scale Structure of the Universe with Convolutional Neural Networks”, NASA Research Seed Grant from Michigan Space Grant Consortium (MSGC)

CQP’s sponsored activities in academic year 2019-2020:

1. New Research Initiative with objective to explore novel techniques in computational electromagnetics ($1,803)
2. Domestic travel:
   (a) Experiments on sites outside MTU at Argonne National Laboratory ($1,022)
   (b) Collaboration with Lawrence Livermore Laboratory in California ($2,000)
3. Foreign travel:
   India, to organize the International Workshop on Modelling of Materials ($1,778).
4. Computers and software dedicated to research activities ($2,486).
5. Honorarium:
   Prof. Massimo Moraldi, University of Florence, Italy. Lectures series on Raman Spectroscopy held at Michigan Tech in October of 2019 ($2,000).
6. Cost share:
   Mandatory matching for NASA Research Seed Grant from Michigan Space Grant Consortium (MSGC) ($5,000)
7. Total expenditures for the year -$16,090
8. Total revenue $38,010
9. Carryover from previous year $28,659

Balance on July 01 2020 $50,579