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**Irene Y Lo\*** (ilo@stanford.edu). *Market Design for Social Good: Using Math, Algorithms and Economics to Address Social Problems*. Preliminary report.

How should we allocate tenants to public housing, students to public schools, or donations to recipients? Many important problems in government and non-profit settings involve allocating scarce societal resources to individuals with differing needs and preferences. In this talk, I will overview how we have been centering issues of equity and social justice in ongoing work with the San Francisco Unified School District, and describe how mathematical tools from operations and economics can be used more broadly to design effective markets that give the right resources to those who need them most. (Received March 09, 2021)