

火災検知衛星 UNIFORM ミッション Over view of the UNIFORM project

福原 哲哉^{1*}, 秋山 演亮², 石橋 金穂³

FUKUHARA, Tetsuya^{1*}, Hiroaki Akiyama², Kane Ishibashi³

¹ 北海道大学, ² 和歌山大学, ³ 東京大学

¹Hokkaido University, ²Wakayama University, ³University of Tokyo

CO₂ emitted from forest fire/peat fire is approximate 8 billion ton per year. Extinction of a forest fire is one of the most effective activities for the reduction of CO₂ emission. We develop the satellite called the UNIFORM (UNiversity International FORMation Mission) that detect a forest fire by 10um micro bolometer camera at an early stage for contributing to digestive activities. This 50 kg class satellite realizes low cost, quick fabrication, and on-demand operation and we are planning the constellation operation of 3 satellites in this mission. We introduce the overview of the mission and specification of satellites in this presentation.