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, Tetsuya1*, Hiroaki Akiyama2, Kane Ishibashi3

1 北海道大学, 2 和歌山大学, 3 東京大学
Hokkaido 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.