

## LF帯広帯域干渉計による関西雷観測ネットワーク A lightning observation network in Kansai using a LF broadband digital interferometer

吉田 智<sup>1\*</sup>, 高柳 裕次<sup>1</sup>, Wu Ting<sup>1</sup>, 牛尾 知雄<sup>1</sup>, 河崎善一郎<sup>1</sup>  
Satoru Yoshida<sup>1\*</sup>, Yuji Takayanagi<sup>1</sup>, Ting Wu<sup>1</sup>, Tomoo Ushio<sup>1</sup>, Zen Kawasaki<sup>1</sup>

<sup>1</sup> 大阪大学大学院工学研究科

<sup>1</sup>Osaka University

We have been designing and developing a LF broadband digital interferometer (DITF) that detect electromagnetic (EM) waves associated with cloud-to-ground and intracloud discharges, and locate the EM wave sources. We have been building up a lightning observation network consisting of a LF DITF around Osaka. The observation network covers the areas from Kobe to Nara. In this presentation we compare the results with radar data and discuss the initiation of lightning discharges.

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