

## 研究成果報告書 (掲載期間 2018.11-2019.10)

### 審査学術論文

- (1) H. Akaike, K. Munemoto, Y. Sakakibara, and A. Fujimaki : Fabrication of NbTiN Josephson Junctions with Thermally Oxidized Hf Tunnel Barriers, IEEE Trans. Appl. Supercond., vol. 29, 2019, no. 5, pp. 1102605 (5 pages).
- (2) K.D. Pomorski, H. Akaike, A. Fujimaki, K. Rusek : Relaxation method in description of RAM memory cell in RSFQ computer, COMPEL - The international journal for computation and mathematics in electrical and electronic engineering, Vol. 38, 2019, No. 1, pp. 395-414.

### 学会発表

- (1) H. Akaike, K. Munemoto, Y. Sakakibara, A. Fujimaki : Fabrication of NbTiN Josephson junctions with thermally oxidized Hf tunnel barriers, 2018 Applied Superconductivity Conference (ASC2018), Nov. 1, 2018, Seattle, WA, USA.

### 科研費採択

- (1) 赤池宏之 : 18K04291, 基盤研究(C), 磁性ジョセフソン接合を用いた超伝導任意位相差素子の実現とその回路応用, 平成 30 年.