

Abstract Submitted
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Flexible Control of Pulsed Power for Biomedical Applications using PC MASAHIRO AKIYAMA, MAMORU SUEMITSU, Kumamoto University, ERI SHIRAISHI, Kumamoto University, YASUHIRO OHSHIMA, Sojo University, TAKAHISA UENO, Oita National College of Technology, TAKASHI SAKUGAWA, HIDENORI AKIYAMA, Kumamoto University — This work aims to control pulsed power for biomedical fields, which demand sensitive parameters. The pulse control area includes pulse interval, pulse shot number, output voltage. To achieve this system, a pulsed power system exists including software running on PC, universal serial bus (USB) for connection, and FPGA controller. Using the software for complex control of pulsed power will enable expansion into various fields with easy operation.

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