



[Mechanical Engineering](#) > NANNO Ikuo



**NANNO Ikuo**

Organization	Mechanical Engineering
Position	Professor
Academic Title	Doctor(Engineering)
Research Fields	Photovoltaic power generation, Control engineering

## << Research Subjects >>

1. [Study on power generation efficiency and safety of PV system](#)
2. [Study on state monitoring and control technology of PV system](#)
3. [Research \(PCS, relay\) on PV system for control equipment](#)

## << Academic Activities >>

### Papers and Notes

1. [Ikuo Nanno, Shuichi Misumi: "- To improve the efficiency of solar power system – Development and Evaluation of the Blocking Relay", Journal of japan solar energy society, Vol.39, No.2 pp.67-72\(2013.3.31\)](#)
2. [Ikuo Nanno, Nobutomo Matsunaga, Shimpei Hashida, Shigeyasu Kawaji: "Controller Design for Uniform Heating based on a New Thermal Model with Feedback Structure", IEEJ Trans. EIS Vol.127, No.12, pp.2126-2132\(2007.12\)](#)
3. [Nobutomo Matsunaga, Ikuo Nanno, Shigeyasu Kawaji: "Model with Feedback Structure for Thermal Process and its Application to Decoupling Control", IEEJ Trans. EIS Vol.127-C, No.3, pp.373-379\(2007.3\)](#)
4. [Ikuo Nanno, Masahito Tanaka, Nobutomo Matsunaga, Shigeyasu Kawaji: "On Performance of the Gradient Temperature Control Method for Uniform Heating", IEEJ Trans. EIS Vol.124-C, No.8, pp.1606-1612\(2004.8\)](#)
5. [Ikuo Nanno, Masahito Tanaka, Nobutomo Matsunaga, Shigeyasu Kawaji: "Development of the Gradient Temperature Control Method for Temperature Equalization", T. IEE Japan EIS Vol.122-C, No.11, pp.1954-1960\(2002.11\)](#)

### Presentations

1. [Ikuo Nanno, Shimpei Hashida, Nobutomo Matsunaga, Shigeyasu Kawaji: "Experimental Study on Uniform Heating Control based on Temperature Difference Model", Proceedings of IEEE International Conference on Mechatronics \(ICM2007\), Kumamoto, WA2-C-4, pp.1-6, May\(2007\)](#)
2. [Ikuo Nanno, Nobutomo Matsunaga, Shigeyasu Kawaji: "A New Model with Feedback Structure for Thermal Process and its Application to Decoupling Control", Proceedings of the 32nd Annual Conference of the IEEE Industrial Electronics Society \(IECON-2006\), Paris, pp.507-512, Dec.\(2006\)](#)
3. [Ikuo Nanno, Nobutomo Matsunaga, Shigeyasu Kawaji: "Controller Design for Uniform Heating using New Model with Feedback Structure", Proceedings of SICE-ICASE International Joint Conference 2006 \(SICE-ICCAS 2006\), Busan, pp.1063-1068, Oct.\(2006\)](#)
4. [Nobutomo Matsunaga, Shigeyasu Kawaji, Masahito Tanaka, and Ikuo Nanno: "A Novel Approach of Thermal Process Control for Uniform Temperature", Proceedings of the 16th IFAC World Congress on Automatic Control, Prague, Tu-A03-TP/1, pp.1-6\(2005.7\)](#)
5. [Nobutomo Matsunaga, Shigeyasu Kawaji, Ikuo Nanno, and Masahito Tanaka: "A Novel Approach to Temperature Uniformity for Thermal Process", Proceedings of the 5th Asian Control Conference, Melbourne, pp.316-321\(2004.7\)](#)
6. [Nobutomo Matsunaga, Ikuo Nanno, Masahito Tanaka, and Shigeyasu Kawaji: "A New method of Temperature Control for Uniform Heating", Proceedings of the Annual Conference of the IEEE Industrial Electronics Society, Roanoke, pp.2097-2102\(2003.11\)](#)
7. [Masato Ota, Jinichiro Ohshima, Kiyoshi Uchiyama, and Ikuo Nanno: "A Dust-free Maglev Shuttle Vehicle", Proceedings of the Third Symposium on Automated Integrated Circuits Manufacturing, Electronics and Dielectrics and Insulation Divisions of the Electrochemical Society, Vol.88-13, pp.462-468\(1988\)](#)

