30th Anniversary Conference

1. **Considerations Related to the R&D of FJR Engine**
   Matsuki, M.: Nippon Institute of Technology
2. **Lessons Learned from Development of Ne 20 and Other Historical Engines**
   Ishizawa, K.: Japan Aviation Journalist Association
3. Research on the Aerodynamic Performance of the Turbine Stage Accompanied by Secondary Flow Injection from Outer Casing
   Kamata, M. et al.: Iwate University
4. Wall Condensation and Boundary Layer Separation in Transonic Vapor Mixture Flow
   Yasuda, K. et al.: Waseda University, Science & Engineering
5. **Unsteady Flow Phenomena in Vaned Diffuser of Centrifugal Compressor**
   Sawagashira,S. et al.: Hosei University
6. **PIV Analysis of Unsteady Flow Induced by Circular Cascade**
   Wada, M. et al.: Kogakuin University
7. **Operation and Operational Record of Medium and Small Industrial Gas Turbine Engine**
   Yanai, M. : Kawasaki Heavy Industries, Ltd.
8. **Operating Experiences of 1500℃ Class Advanced Gas Turbine**
   Watanabe, K..: Mitsubishi Heavy Industries, Ltd.
9. **Operation and Maintenance Experience of Continuous Gas Turbine Co-generation Plant**
   Hama, A.: Niigata Engineering Co.,Ltd.
10. **Experiment of Shock Wave Fluctuation on Approximatly 2D Cascade**
    Takahashi, K. et al.: Tokyo Metropolitan Institute of Technology
11. **Effects of Blade Bow on Internal Flow of Turbine Stator Cascade**
    Asaga, Y. et al.: Hosei University
12. **Experimental and Numerical Study of 3-D Unsteady Interaction of Axial Flow Turbine**
    Sato, W. et al.: Waseda University
13. **Three-Dimensional Viscous Analysis on Unsteady Aerodynamic Characteritics of Oscillating Transonic Cascade**
    Kato, Y. et al.: University of Tokyo
14. **Review on Engine System R&D of Aircraft Gas Turbine**

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Futamura, H.: National Aerospace Laboratory of Japan

15. **Overview of Gas Turbine Power Generation System R&D Projects**
    Koda, E.: Central Research Institute of Electric Power Industry
16. **Steam - Recuperation Turbine System for CO-Production**
    Furutani, H.: National Institute of Advanced Industrial Science and Technology
17. **Influence of the Operating Conditions of a Lean-Premixed Gas Turbine Combustor on the Combustion Process**
    Takamatsu, M. et al.: Keio University
18. **Unique Concept of a Flat- Flame Micro Combustor for UMGT**
    Oshimi, K. et al.: Tokyo Metropolitan Institute of Technology
19. **Computation of Rotor / Stator Interaction with Hydrogen Combustion**
    Sato, M. et al.: Science University of Tokyo
20. **Design and Basic Characteristics of an Annular- Type Hydrogen Micro Combustor**
    Uehara, M. et al.: Tokyo Metropolitan Institute of Technology
21. **Trend and Future Prospect of Compressor Design Technology**
    Imanari, K.: Ishikawajima-Harima Heavy Industries Co.,Ltd.
22. **Technology Trend in Combustor Design**
    Kinoshita, Y.: Kawasaki Heavy Industries,Ltd.
23. **Trend and Prospect of Turbine Design Technology**
    Ito,E.: Mitsubishi Heavy Industries,Ltd.
24. **A Role of Gas-Turbine Generation in the Electric Utility Industry**
    Fukushima, A.: Nuclear and Industrial Safety Agency Electric Power Safety Division

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