



The 1st International Symposium on AI Electronics



2020
Feb. 17 Mon.



The Westin Sendai
1-9-1 Ichibancho, Aoba-ku, Sendai, 980-0811 Japan

Technical Program

Opening
Session

10:00-10:15

Welcome Address
Overview of AIE program

Session **1**

10:15-11:30

AIE Devices

11:30-13:30

Lunch & Poster Session

Session **2**

13:30-14:45

AIE Systems

Session **3**

15:15-17:00

AIE Applications

17:00-19:00

Reception

Pre-Registration Required

Registration
Fee

Symposium : Free
Reception : ¥ 3,000

AIE Program
Students : Free

Registration Site

<http://www.aie.tohoku.ac.jp/>



Technical Program

Opening
Session
10:00~10:15

10:00~10:05

Welcome Address

Hideo Ohno

President, Tohoku University

10:05~10:15

Overview of AIE program

Toshiro Kaneko

Program Coordinator, WISE Program for AI Electronics, Tohoku University

Session

1

10:15~11:30

AIE Devices

10:15~11:00

Keynote



From Spin Transfer Torque (STT) to Toggle Spin Torque (TST) for the next generation of MRAM

Weisheng Zhao

Dean of the School of Microelectronics,
Beihang University, China

11:00~11:30

Invited



Creation of EIC (energy-information-communication) Fused Network Infrastructure Based on Globally Optimized Autonomous Distributed Cooperative DC Microgrids

Taiichi Otsuji

Professor, Research Organization of Electrical Communication /
Research Institute of Electrical Communication, Tohoku University

11:30~13:30

Lunch & Poster Session

Session

2

13:30~14:45

AIE Systems

13:30~14:15

Keynote



Speech Recognition and Processing – A Glimpse

Dong Yu

Distinguished Scientist, Tencent AI Lab

14:15~14:45

Invited



Natural Language Understanding and Assessment

Kentaro Inui

Professor,
Graduate School of Information Sciences, Tohoku University /
AIP Center, Riken

Session

3

15:15~17:00

AIE Applications

15:15~16:00

Keynote

Azure
AI Applications



Xuedong Huang

Technical Fellow, Microsoft

16:00~16:30

Invited



A Bridge over Troubled Water;
the Psychological Knowledge
about Human,
Behavior and Brain

Nobuyuki Sakai

Professor,
Department of Psychology,
School of Arts & Letters,
Tohoku University

16:30~17:00

Invited



Applications of
Machine Learning
in Astronomy

Masaomi Tanaka

Associate Professor,
Astronomical Institute,
Tohoku University

17:00~19:00

Reception

Access

By Subway

- About 6min from South Exit No.2 or West Exit No.1 of subway Sendai Station on foot.  
- About 7min from South Exit No.1 of subway Aobadori Ichibancho Station on foot. 

By Train

- About 9min from West Exit of JR Sendai Station on foot. 
- About 8min from Exit No.2 of Senseki Line Aobadori Station on foot. 

Contact

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