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2020-11-27

INTERNATIONAL ELECTROTECHNICAL COMMISSION

TECHNICAL COMMITTEE 88: Wind energy generation systems

Nomination of a new convener for MT 24, Lightning protection for wind turbines

The Danish NC has informed the IEC TC 88 secretariat that Mr. Troels Stybe Sørensen due to other job obligations no longer has the possibility to continue as convener. The TC 88 officers wish to express their thanks to Mr. Troels Stybe Sørensen for his service to the wind turbine community and for his leadership in convening MT 24.

IEC TC 88 secretariat has received two nominations for the convener position for IEC TC 88 MT 24 and ask the IEC National committees to indicate whether they are in favor of Mr. Yoh Yasuda, JP or Mr. John Zhuang, CN as the new convener of IEC TC 88 MT 24. They can send their votes and comments to the IEC electronic voting / commenting system

IEC National committees are therefore invited to indicate if they are in favor of:

1) Mr. Yoh Yasuda, JP as the Convener of IEC TC 88 MT 24

IEC National committees are therefore invited to indicate if they are in favor of:

2) Mr. John Zhuang, CN as the Convener of IEC TC 88 MT 24

A short resume for the nominees can be found in the Annexes.

P-members of TC 88 are asked to express their preference for one of these candidates through the IEC Electronic voting system by

by 2021-01-08 at the latest.

Kind regards,

Jeroen van Dam
Chairman of IEC TC 88

Christine Weibøl Bertelsen
Secretary of IEC TC 88

Annex: Short CV of Mr. Yoh Yasuda, JP and Mr. John Zhuang, CN

Curriculum Vitae

Name: YASUDA Yo (安田 陽)

Date of birth: Feb. 1967

Place of birth: Tokyo, Japan

Nationality: Japan

Education:

1985-1989 Department of Electronic and Information Engineering, Yokohama National University

1989 BEng. in Power Electronics, Yokohama Nat. Univ.

1989-1991 Dept. of Elec. and Inf. Eng., Graduate School of Yokohama Nat. Univ.

1991 MEng. in Electronic Materials, Yokohama Nat. Univ.

1991-1994 Dept. of Elec. and Inf. Eng., Graduate School of Yokohama Nat. Univ.

1994 PhD. in Engineering, Yokohama National University

Professional Experience:

April 1994 Research Associate at Department of Electrical Engineering, Kansai University

April 1999 Lecturer

April 2003 Associate Professor

Sept. 2016 to date

Manager of Research, The Energy Strategy Institute, Co. Ltd., Japan

Research Professor of Renewable Energy Economics Course, Graduate School of Economics,
Kyoto University

Research Experience:

1988-1989 Numerical analysis on power electronic circuits

1989-1991 Development of fundamental structure of 3-dimensional LSI

1991-1994 Observation and analysis of numerical phenomena in semiconductor devices

PhD Thesis: "Chaos in Thyristor" (Yokohama National. University, March, 1994)

1994-1997 Application of power electronics and applied superconductors

- 1997-2000 Numerical analysis on earth resistance of transmission towers and soils
Reserve problem in electro-magnetic phenomena in power systems
Diagnosis of partial discharges in power cables using wavelet and neural network
- 2000-2003 Numerical analysis on earth resistance of transmission towers and soils
Development of small vertical wind turbine
Surge analysis in wind turbines and distributed generations
- 2003-2008 Development of small vertical wind turbine
Design of surge protection of wind power generation system
- 2008-2016 Grid Integration Issues of wind power
Design of surge protection of wind power generation system
- 2016 to date Grid Integration Issues of wind power
Design of Lightning risk management of wind power generation system
Statistical analysis on power systems and renewables
Economic and political issues on power systems and renewables

Main Publications (Journal Papers):

- L. Bird, Y. Yasuda, et al.: "Wind and solar energy curtailment: A review of international experience",
Renewable and Sustainable Energy Reviews, **Vol.65**, pp.577–586 (2016)
<http://www.sciencedirect.com/science/article/pii/S1364032116303161>
- Y. Yasuda, et al.: Classification of Lightning Damage to Wind Turbine Blades, IEEJ Trans. on Electrical and
Electronic Engineering, **Vol. 7**, No. 6 pp.559-566 (2012)
<http://onlinelibrary.wiley.com/doi/10.1002/tee.21773/abstract>
- T. Fujii, Y. Yasuda, et al.: Electro-magnetic analysis on earthing system with a ring and vertical roads in wind
turbine, Journal of Electrical Engineers, Japan, **Vol130-B**, No.3, pp.365-372 (2010) [in Japanese]

Main Publications (Conference Papers):

- R. Kuwahata, Y. Yasuda, et al.: Back-casting analysis how Dynamic Line Rating would increase usage ratio
of European interconnection, 18th Wind Integration Workshop, WIW19-32 (Oct. 2019, Dublin)
- K. Yamamoto, Y. Yasuda, et al.: New Japanese Standard Relating to Lightning Protection for Wind
Turbines: Lightning Detection Systems, International Conference on Lightning and Static Electricity
(ICOLSE 2019), No.20 (Sept. 2019, Kansas)

- Y. Yasuda and H. Hamasaki: Investment Analysis on Transmission Lines using TIMES-JMRT Grid Model under a Scenario with large amount of Renewable, 17th Wind Integration Workshop, WIW18-149 (Nov. 2018, Stockholm)
- Y. Yasuda and H. Hamasaki: Grid-investment and Economic Model under 2050 Long-term Energy Scenario regarding with Large Amount of Wind Power, Grand RE2018 (June 2018, Yokohama)
- T. Fujii, Y. Yasuda, et al.: Lightning Protection for Large-Scale Offshore Wind Power Plant using Independent Lightning Tower – Impulse Test simulating moving Thundercloud –, International Conference on Lightning Static & Electricity, International Conference on Lightning & Static Electricity (ICOLSE2017), 3C1-3 (Sept. 2017, Nagoya)
- Y. Yasuda: Recent Trends of Japanese Regulations and Standards on Lightning Protection for Wind Turbines, The 10th Asia-Pacific International Conference on Lightning (APL2017), PID154 (May 2017, Krabi, Thailand)
- Y. Yasuda: Does variable renewable energy promote grid expansion?, 15th Wind Integration Workshop, WIW16-91 (Nov. 2016, Vienna)
- T. Fujii, Y. Yasuda, et al.: Experimental Study with downsized Models for Lightning Protection of Large-scale Offshore Wind Power Plants, International Workshop on High Voltage Engineering (IWHV2016), ED-16-124, SP-16-053, HV-16-109 (Nov. 2016, Miyazaki)
- Y. Yasuda: Lightning Protection of Wind Turbine regarding with Risk Management, 33rd International Conference on Lightning Protection (ICLP2016), pp.1-6 (Sept. 2016, Esorill, Portugal)
- Y. Yasuda: Lightning Protection of Wind Turbine based on Risk Management, The International Congerence on Electrical Engineering (ICEE2016) on CD-ROM, (July 2016, Okinawa)
- Y. Yasuda, et al.: International Comparison of Wind and Solar Curtailment Ratio, 15th Wind Integration Workshop, WIW15-111 (Oct. 2015, Brussels)

Main Publications (Books):

- Y. Yasuda: WORLD'S RENEWABLES AND POWER SYSTEMS – PART 5: ELECTRICITY MARKET, Impress R&D (2020) [in Japanese]
- Y. Yasuda: WORLD'S RENEWABLES AND POWER SYSTEMS – PART 4: GRID INTEGRATION ISSUES, Impress R&D (2019) [in Japanese]
- Y. Yasuda: WORLD'S RENEWABLES AND POWER SYSTEMS – PART 3: ECONOMICS AND POLICY, Impress R&D (2019) [in Japanese]

Y. Yasuda: INTRODUCTION OF PRESENTATION WITHOUT HARD WORK FOR ENGINEERS, Ohm-sha (2018) [in Japanese]

Y. Yasuda: WORLD'S RENEWABLES AND POWER SYSTEMS – PART 2: POWER SYSTEMS, Impress R&D (2018) [in Japanese]

Y. Yasuda: ARE TRANSMISSION LINES “NO VACANCY”?, Impress R&D (2018) [in Japanese]

Y. Yasuda: MAINTENANCE AND RISK MANAGEMENT IN RENEWABLES, Impress R&D (2017) [in Japanese]

Y. Yasuda: WORLD'S RENEWABLES AND POWER SYSTEMS – PART 1: WIND POWER, Impress R&D (2017) [in Japanese]

Y. Yasuda: THE REALITY OF WIND POWER THAT NO JAPANESE KNOWS, Ohm-sha (2013) [in Japanese]

other 9 books in collaboration

Awards:

- | | |
|------|---|
| 1997 | Excellent Paper Award from IEEJ (Institute of Electrical Engineers, Japan) |
| 2000 | Encouragement Prize from Kansai Branch, IEEJ (Institute of Electrical Engineers, Japan) |
| 2005 | Award of Business-Academia Collaboration from Kansai University Science Technology Foundation |
| 2013 | Award for Progressive Research from IEEJ (Institute of Electrical Engineers, Japan) |
| 2017 | The Publication Award from JWEA (Japan Wind Energy Association) |

as of Sept. 2020

Resume

Name: Yan Zhuang (庄严)

Date of birth: Jun, 1981

Mobile: +86-13911908019

E-Mail: 13911908019@163.com



WORK EXPERIENCE

2016/11-Present	Qianyuan Windpower Technology Co. Ltd.,	location: Bei Jing
Position: CEO		
2014/11-2015/10	Global lightning protection service (GLSP) A/S	location: Bei Jing
Position: Sales Engineer		
2012/04-2014/08	OBO BETTERMANN GmbH	location: Bei Jing
Position: Director of new energy division technology		
2011/03-2012/03	Guodian United Power Technology Co. Ltd.,	location: Bei Jing
Position: Director of Department of lightning protection system		
2008/10-2011/02	Xinjiang Goldwind Sci & Tech Co.,Ltd.	location: Bei Jing
Position: Senior EMC Engineer		

HONORS

(In recent years, compiling standard)

Outstanding Young Worker of China Wind Energy Association

International Copper Association ICIS Innovation Award

Secretary General of China Plateau Wind Power Technology Innovation Alliance

Member of China National Wind Machinery Standardization Technical Committee

IEC61400-24 Wind turbine lightning protection

IEC61400-29 Wind turbine identification and lighting

GB/T33629 Wind turbine lightning protection

GB/T36490 Wind turbine generator set lightning protection device testing technical specifications

GB/T37921 Wind Turbine system under high altitude

GB/T25385 Wind turbine operation and maintenance requirements

INTELLECTUAL PROPERTY RIGHTS

1. Surge protector	CN201710057936.1
2. Lightning protection belt	CN201610518431.6
3. Lightning protection device for wind energy blade	CN201510694778.1
4. Line arrester	CN201610007089.3
5. Lightning early warning method and equipment	CN201210492690.8
6. Lightning protection method for wind energy blade	CN201010216929.X
7. Eine Profilverrichtung für Rotorblätter von Windkraftanlagen	2019070918051200DE
8. Wind turbine blade profile system	PA 2020 00969
