



**The Combustion Institute**

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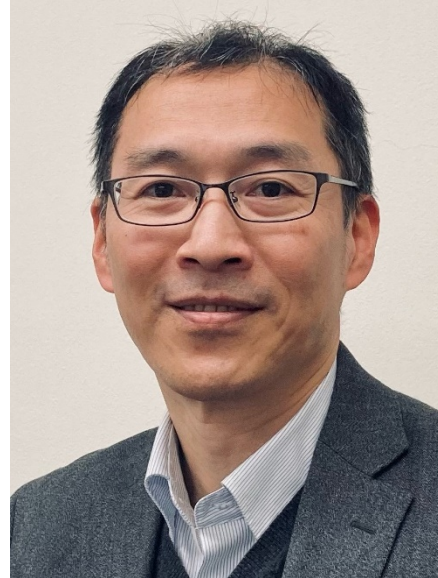
**Teruyuki Okazaki**

*2022 Candidate Profile: The Combustion Institute Board of Directors*

**Reasons for Nomination**

As an engineer and manager at Hitachi Ltd. and Mitsubishi Heavy Industries, Ltd., I have been engaged in the development of combustion equipment for power generation, and have contributed to advance high-performance technologies such as low-NOx gas turbines, waste combustion systems, and coal-fired boilers. In recent years, it is expected that power generation systems using carbon-neutral fuels such as hydrogen, ammonia, and biomass will be put into practical use as soon as possible. Currently, I am a leader in the development of novel combustion technology using these fuels in our company.

By the way, the combustion of carbon neutral fuel has a characteristic that it tends to become unstable. Therefore, combustion control has various problems, and many technological developments are required for commercialization. I have experienced joint researches with many universities and research institutes all around the world. I would like to utilize this wide network and my knowledge and experience to solve such important problems discussed in the Combustion Institute. I am honored to be nominated as a candidate of the board members by the industry. I would like to contribute to strengthen industry-academia cooperation.



*See the next page for the candidate's curriculum vitae.*

## ■ Curriculum vitae (current as of March 16, 2022)

1. NAME of NOMINEE    **Teruyuki OKAZAKI**  
Senior Manager  
Combustion Research Department, Research & Innovation Center  
Mitsubishi Heavy Industries, Ltd.  
5-717-1, Fukahori-machi, Nagasaki, 851-0392, JAPAN  
e-mail: teruyuki.okazaki.p3@mhi.com

### 2. EMPLOYMENT EXPERIENCE

**Mitsubishi Heavy Industries, Ltd.** **April 2018 - Present**

Senior Manager, Combustion Research Department, Research & Innovation Center (2021.4-Present)  
General Manager, Combustion Research Department, Research & Innovation Center (2018.7-2021.3)  
Senior Manager, Combustion Research Department, Research & Innovation Center (2018.4-2018.6)

**Mitsubishi Hitachi Power Systems, Ltd.** **February 2014 – March 2018**

Director, Research & Development Center (2017.10-2018.3)  
General Manager, Turbo-machinery Research Department, Research & Development Center (2016.10-2017.9)  
Manager, Combustion Research Department, Research & Development Center (2015.2-2016.9)  
Senior Researcher, Combustion Research Department, Research & Development Center (2014.2-2015.1 )

**Hitachi, Ltd.** **April 1993 – January 2014**

Senior Researcher, Combustion Research Department, Hitachi Research Laboratory (2011.10-2014.1)  
Manager, Combustion Research Department, Hitachi Research Laboratory (2007.4-2011.9)  
Senior Researcher, Combustion Research Department, Hitachi Research Laboratory (2005.10-2007.3)  
Combustion Research Department, Hitachi Research Laboratory (1995.2-2005.9)  
Energy Research Laboratory (1993.4-1995.2)

- Responsible for development of combustion technologies for all MHI businesses, including incinerators, gas turbines, boilers, and gasification.

### 3. EDUCATION

2013.9 D. Eng. (Mechanical Engineering), Graduate School of Engineering, Hokkaido University, Sapporo, Japan.  
1993.3 M.Eng. Graduate School of Engineering, Kyusyu University, Fukuoka, Japan.  
1991.3 B.Eng., Faculty of Engineering, Kyusyu University.

### 4. SOCIETY ACTIVITIES

A member of board of directors of Combustion Society of Japan (CSJ) (2019-present)

### 5. AWARDS

2017. Paper Award, Combustion Society of Japan (CSJ)  
2014. Paper Award, Combustion Society of Japan (CSJ)

### 6. SOCIETY MEMBERSHIP

CSJ (1998-present)  
JSME (1993-present, 2021 Fellow)  
Gas Turbine Society of Japan (2016-present)  
Heat Transfer Society of Japan (1993-present)