

2022 Netherlands Section of The Combustion Institute Report

Section Website: <http://www.combustioninstitute.nl>

Section Chair: Rob Bastiaans

Section officers and board members with titles:

- Officers
 - Rob Bastiaans - Chairman
 - Arvind Gangoli Rao - Secretary
 - Jim Kok - Treasurer
- Board Members
 - Rob Bastiaans
 - Arvind Gangoli Rao
 - Jim Kok
 - Dirk Roekaerts

Members of the section:

Active Members	102
Non-Student Members	≈77
Student Members	≈25

Has the section revised its by-laws since 2020?

- No

Section meetings and workshops since 2018:

- Section Meetings
 - January 22, 2021
 - February 19, 2021
 - March 19, 2021
 - April 16, 2021
 - May 18, 2021 (Bastiaans, Roekaerts, Kok)
 - July 1, 2021 (Bastiaans, Gangoli Rao (new), Kok, Roekaerts)
 - October 10, 2021 (all)
 - December 13, 2021 (all)
 - March 18, 2022 (all)
 - May 2, 2022 (all)
 - May 30, 2022 (all)
 - [Online meetings]
- Workshops
 - The Combura Symposium, 10 & 11 November 2021, Soesterberg, The Netherlands (3 key note lectures, 21 oral presentations, ~20 poster presentations), 75 participants.
 - Keynotes:
 - Prof. dr. Alessandro Parente, New trends in combustion modelling: the art of using data
 - Prof. dr. Christof Schulz, Flame synthesis of functional nanomaterials
 - Dr. ir. Martien Visser, Future requirements for combustion research
 - Webinars on Combustion Research in the Netherlands (for title, abstract and links to slides and recordings: see www.combustioninstitute.nl)

- Webinar 1, by Prof. dr. LPH (Philip) de Goey, January, 22, 2021 (40)
- Webinar 2 by dr. JBW (Jim) Kok, February, 19, 2021 (20);
- Webinar 3 by dr. Arvind Gangoli Rao, March 19, 2021 (20)
- Webinar 4 by dr. Anatoli V. Mokhov, April 16, 2021 (20)
- Webinar 5 by Prof. dr. ir. Jeroen van Oijen, September 24, 2021 (40)
- Webinar 6 by dr. ir. Marco Derksen, October 22, 2021 (20)
- Webinar 7 By Prof. dr. ir. Sikke A. Klein, November 26, 2021 (30)
- Webinar 8 by dr. Martijn van Essen and dr. Sander Gersen, December 17, 2021 (30)
- Webinar 9 by dr. ir. Giel Ramaekers, April 22, 2021 (40)
- Webinar 10 by dr. Ivan Langella, May 20, 2022 (45)

Other activities:

- Course on Combustion, Towards Carbon-Neutral Combustion Systems, 31 January - 4 February 2022 (Eindhoven University of Technology, hybrid)

Awards given by section:

- Best poster award winners Combura 2021
 - First prize
 - Wouter Meeks, Ravi Patel, Sander Nijdam and Nico Dam (TU Eindhoven)
 - Rovibrational thermometry of nanosecond filamentary discharges using spontaneous Raman spectroscopy
 - Second Prize
 - Gioele Ferrante, Ivan Langella, Georg Eitelberg and Arvind Gangoli Rao (TU Delft)
 - Large-eddy simulation of lifted methane and hydrogen flames in vitiated coflow using presumed PDF approach
 - Third Prize
 - Evert Cornelis Bunschoten (TU Delft)
 - FPVA for modelling hydrogen combustion modelling in SU2

Special achievements attained by section members:

- 2019: Jeroen van Oijen received the NWO VICI award for research on combustion in argon power cycle engines;
- 2020: Philip de Goey has been awarded an ERC Advanced Grant for research on the combustion of metal powder
- 2021: Jeroen van Oijen and Dirk Roekaerts were elected Fellow of the Combustion Institute
- 2021: Philip de Goey delivered a Beacon Seminar on "Metal energy carriers: renewable fuels of the future"

Does your Section plan to organize the international Combustion Institute Summer School (CI-SS)?

- No

If you selected "Yes", which year will it be carried out?

- N/A

Other information you may want to report:

- The LinkedIn account of the Section currently has 417 followers and 305 connections. See <https://www.linkedin.com/in/dutch-section-of-the-combustion-institute-a0b82121b/>

- Webinar recordings can be viewed at the YouTube channel of the Section. See https://www.youtube.com/results?search_query=dutch+section+of+the+combustion+institute