

2020 Brazil Section of The Combustion Institute Report

Section Website: <http://www.redenacionaldecombustao.org/>

Section Chair: Maria Luiza Sperb Indrusiak

Section officers and board members with titles:

Maria Luiza Sperb Indrusiak, Section Chair
Christian J Rodriguez Coronado, Vice Chair
Amir Antônio de Oliveira Junior
Mona Lisa Moura de Oliveira
João Marcelo Vedovoto
Ricardo Sefarty, Industry representative
Marina Weyl Costa, Student representative

Members of the Brazil Section:

Active Members	420
Non-Student Members	208
Student Members	212

Section meetings and workshops since 2018:

- A plenary meeting was held during the VII School of Combustion, when elections for partial renewal of the Scientific Committee was accomplished. At this meeting it was decided:
 - To improve the integration between the RNC scientific committee and the combustion technical committee of the Brazilian Association of Engineering and Mechanical Sciences – ABCM
 - To create student representation on the RNC scientific committee.
- In addition, the Brazilian Women in Combustion group was created, and the first meeting was held during the combustion school. The invitation to the meeting also included men present at the school, avoiding exclusion.
- The scientific committee holds web meetings every 4-6 months, when issues related to the progress of courses and projects are discussed, as well as policies to promote combustion research in Brazil.
- VII Escola de Combustão (Brazilian Combustion School): Event held between 03 and 07 June 2019 at the site of National Institute for Space Research, INPE, Cachoeira Paulista - SP. The organization was carried out by UNIFEI, UNESP and INPE. It was attended by 87 students from 19 universities in Brazil, approximately 80% of whom received scholarships. 43 professors from 20 universities in Brazil also participated, as well as 06 foreign professors from the Queens University - Canada, University of Illinois at Chicago - USA, New York City College, USA, Stockholm Royal Institute of Technology - Sweden, University of Conceição - Chile and University of Bio Bio - Chile. The event was supported by CNPq (R\$ 25,000.00), CAPES (R \$ 27,500.00) and FAPESP (R \$ 25,000.00). Received sponsorship from 04 companies: VikaControl, Versatus HPC, Dynamis and ESSS. It also received support from RNC, UNIFEI (Graduate Program in Mechanical Engineering), FEG-UNESP (Foundation for Scientific Development) and Brazilian Association of Engineering and Mechanical Sciences - ABCM.

Other activities:

- The RNC Newsletter is disseminated to all participants, with local information and information from the Combustion Institute, as well as dissemination of opportunities for researchers and students. The frequency is variable.

Other information:

- In 2019 and 2020 the RNC members were re-registered and a strong campaign was made to register with the CI. As a result, the formal number of active members of the Brazilian Section almost doubled.
- The VIII Escola de Combustão (Brazilian Combustion School) is being organized and will be held on August 7-11, 2021 at Fortaleza – CE (<https://www.edc2021.com.br/>)