

2024 Sweden Section of The Combustion Institute Report

Section Website: <https://www.sdfsweden.se/>

Section Chair: Ola Listh

Section officers and board members with titles:

- Officers
 - Ola Listh – Chair
 - Dan Loyd - Vice Chair
 - Leif Jilsmo – Treasurer
 - Håkan Ljungqvist - Secretary
- Board Members
 - Ola Listh
 - Dan Loyd
 - Leif Jilsmo
 - Håkan Ljungqvist
 - Hans Wallin
 - Nils Örnebring
 - Alexis Bohlin

Members of the section:

Active Members	292
Non-Student Members	290
Student Members	2

Has the section revised its by-laws since 2022?

- No

Section meetings and workshops since 2022:

- Section Meetings
 - 01/13/2022 7 attendees
 - 02/15/2022 7 attendees
 - 03/08/2022 5 attendees
 - 05/16/2022 6 attendees
 - 11/23/2022 6 attendees
 - 01/19/2023 5 attendees
 - 04/05/2023 7 attendees
 - 08/31/2023 7 attendees
 - 10/26/2023 8 attendees
- Workshops and Symposia
 - 9 webinars with 10-20 attendees each time:
 - 09/29/2022 Propellants and pyrotechnics used in air fighter rescue systems
 - 10/20/2022 The Carl Gustaf 84 mm anti-tank weapon - history and technology
 - 11/17/2022 PICs - products of incomplete combustion
 - 01/19/2023 Recapture of Swedish expertise on explosives
 - 02/23/2023 Bofors - its air defence corps and ancient photo archive

- 03/23/2023 Explosive remnants after the war in Ukraine
- 10/26/2023 Gyttorp through my own eyes
- 11/29/2023 Hybrid-propellant rockets - a renewed interest
- 03/21/2024 Zakrisdal - the secret munitions factory (to be arranged)

Other activities:

- Working group on Peace Technology in cooperation with Swedish Security and Defence Industry Association held 4 webinars and a meeting with Karlstad University.
- 3 Section Newsletters: 10/02/2022, 05/25/2023, 12/05/2023.
- Study visit to Karlstad and Karlskoga 04/23-24/2023: Explosives technology museum, Former underground production facility, Wermland brigade museum, Alfred Nobel's Björkborn manor, Alfred Nobel's old laboratory, Bofors industry museum, Bofors firing range.

Awards given by section:

- N/A

Special achievements attained by section members:

- Alexis Bohlin et al won the 39th International Symposium Distinguished Paper Award for their paper Water vapor in hydrogen flames measured by time-resolved collisional dephasing of the pure rotational N₂ CARS signal.
- Michael A. Liberman released a new book entitled Combustion Physics - Flames, Detonations, Explosions, Astrophysical Combustion and Inertial Confinement Fusion, ISBN: 978-3-030-85139-2.

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:

- N/A