



# The Canadian Club of Edmonton

Founded 1906  
Honorary Patron  
The Honourable Salma Lakhani  
Lieutenant Governor of Alberta



## The January 2023 CANADIAN CLUB OF EDMONTON NEWSLETTER

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### 1. Speaker - for January 18 2022      **Dr. Allan A. Offenberger**

#### Topic      "The Future of Fusion Energy"

Fusion of nuclei, the source of energy in our sun and stars, can provide the clean, sustainable base load energy required to power our future in electricity, heat and hydrogen for stationary and mobile applications. Harnessing fusion on earth requires heating fuel to ~100 million degrees and confining it (a difficult task) for sufficient time to realize energy gain. Progress in fusion science has moved to an engineering phase to demonstrate net energy production. There are a variety of technological approaches being pursued in academic, government and industry labs that offer promise; success will transform energy policy worldwide. This talk will highlight status, approaches & possible timelines for fusion energy demonstration. Recent success in achieving “ignition” will stimulate industrial development of enabling technologies to speed fusion energy development. Possible demonstration systems are likely to emerge in the 2030’s but penetration as a major energy source will take decades.



Allan Offenberger is Professor Emeritus of Electrical & Computer Engineering (Engineering Physics) at the University of Alberta. He received his B.A.Sc. and M.A.Sc. degrees from the University of British Columbia (UBC - Engineering Physics 1962, Physics 1963) and Ph.D. degree from the Massachusetts Institute of Technology (MIT - Nuclear Sciences & Engineering 1968).

His research program for more than 40 years was focused on the development of high power lasers and their application to plasma physics and inertial fusion energy research. His research group pioneered areas in laser development, laser/plasma interaction physics and optical instrument innovations (especially Thomson scattering).

Allan was the Founding President of the Fusion Energy Council of Canada. Among other activities, he served as a Founding Board Member of the Ontario Laser Lightwave & Research Centre and as an Editorial Board Member of Laser & Particle Beams (Cambridge University Press).

## 2. Speakers for future meetings:

February 15 – Speaker TBA; AGM

## 3. Lunch Confirmation – **Please confirm by January 11** and indicate full meal (\$35) or sandwich plate (\$30) and any dietary issues

The next meeting of the Canadian Club of Edmonton is on **Wednesday January 18 2023** at the Chateau Lacombe Hotel. Please arrive early - about 11:45 am – to register and meet with friends. Lunch starts at 12:00 noon.

**We have had mixed experience with credit card payments. Please bring cash or cheque to pay for your lunch and membership renewal.**

**Please let Vicky Grabb know if you will be attending the luncheon meeting ASAP at [vgrabb@shaw.ca](mailto:vgrabb@shaw.ca) or phone at 780-458-7456.** The cost for the hot meal is \$35 for members & member's guests and \$30 for a sandwich plate (includes salad or soup and dessert). Also please advise if you have a food allergy.

## 4. Meal Cancellation

If you have confirmed your attendance for the luncheon meeting and have to cancel, please let Vicky [vgrabb@shaw.ca](mailto:vgrabb@shaw.ca) know by the evening of **January 11**. No shows may be billed for the cost of the meal.

## 5. Parking - Chateau Lacombe Parkade

If using the Hotel Parkade, do not take a ticket from the vending machine but proceed to the Salon area where you can register your license plate number and pay a **\$5** fee; this fee includes parking for 3 hours and is subsidized by CCE.

## 6. Membership Renewal

**Memberships renewed in 2019 were renewed to the end of 2022. Your renewal for 2023 is now due. The membership dues remain at \$60 per person, \$75 per couple & \$150 corporate. Thank you to those who have already renewed. If you have not yet done so, please renew now.**

## 7. Lunch Speakers

Canadian Club of Edmonton members are invited to suggest speakers or topics for next year's program. Please send your ideas to Vicky, [vgrabb@shaw.ca](mailto:vgrabb@shaw.ca) or phone at 780-458-7456.

## 10. CCE Website

The CCE website is under renovation and we hope to have a new release soon.  
<https://www.canadianclubofedmonton.com/>

If you wish to have your name removed from our mailing list, please contact Vicky at [vgrabb@shaw.ca](mailto:vgrabb@shaw.ca)