

Welcome to CCA-2025

CCA 2025

International Workshop on Coated Conductors for Applications

CERN | March 11-13, 2025



**UNIVERSITÉ
DE GENÈVE**

Coated Conductors for Applications

- CCA is a long-standing series of international topical workshops aiming at the commercial exploitation of coated conductors in various applications.
- CCA-2025 is the 19th in the series was initiated in 2000 at the University of Goettingen, Germany.
- CCA-2025 has a focus on how to respond and sustain the interest triggered by the efforts towards compact fusion projects, which has now extended to other fields of scientific and societal application.

- 2000** Topical Workshop on Coated Conductors, Universität Göttingen, May 26 – 27, 2000.
Chairman: Herbert C. Freyhardt
- 2001** ISTE / MRS Workshop on High Temperature Superconductor Processing and Application, Honolulu Hawaii, JUN 24 – 26, 2001.
Chairmen: Yuh Shiohara, Robert Hawsey
- 2002** MRS International Workshop on Processing and Applications of Superconductors, Gatlinburg, USA, JUL 31 – AUG 02, 2002.
Chairmen: M. Parans Paranthaman, Amit Goyal, Ron Fenstra et al.
- 2003 CCA2003, Orta S. Giulio, Italy ; SEP 12 – 13, 2003.
Chairman: Herbert C. Freyhardt
- 2004 CCA 2004, Oiso Prince Hotel, near Kamakura, Japan; NOV 18 – 20, 2004.
Chairman: Yutaka Yamada
- 2005 CCA2005, Santa Fe, USA; DEC 04 – 07, 2005.
Chairmen: Dean Peterson, Jeff Willis
- 2006 CCA2006, Schloss Monrepos, Ludwigsburg, Germany; JUL 03 – 05, 2006.
Chairmen: Herbert C. Freyhardt, Massimo Marezio (SCENET)
- 2007 CCA2007, Jeju Island, Korea; NOV 08 – 10, 2007.
Chairmen: Chan Park, Kang-Sik Ryo et al.
- 2008 CCA2008, University of Houston; DEC 04 – 06, 2008.
Chairmen: Herbert C. Freyhardt, Kamel Salama
- 2009 CCA2009, Barcelona, Spain; NOV 22 – 24, 2009.
Chairman: Xavier Obradors
- 2010 CCA2010, Fukuoka, Japan; OCT 27 – 30, 2010.
Chairmen: Takanobu Kiss
- 2012 CCA2012, Heidelberg, Germany; NOV 13 – 16, 2012.
Chairmen: Wilfried Goldacker, Bernhard Holzapfel
- 2014 CCA2014, Jeju Island, Korea; NOV 30 - DEC 03, 2014.
Chairmen: Gye-Won Hong, Sang-Soo Oh
- 2016 CCA2016, Aspen, CO, USA; SEP 11 - 14, 2016.
Chairmen: Danko van der Laan, David Larbalestier
- 2018 CCA2018, Vienna, Austria; SEP 10 – 13, 2018.
Meeting Chair: Michael Eisterer; Honorary Co-Chair: H. C. Freyhardt
- 2020/ CCA2020/1, Moji, Kitakyushu, Japan; OCT 12 - 15, 2020.
- 2021 **VIRTUAL** - Chairmen: Kaname Matsumoto, Teruo Izumi
- 2023 CCA2023, Houston, TX, USA; APR 03 - 06, 2023.
Meeting Chair: Venkat Selvamanickam

History of CCA workshops
By courtesy of Herbert C. Freyhardt

The interest at CERN

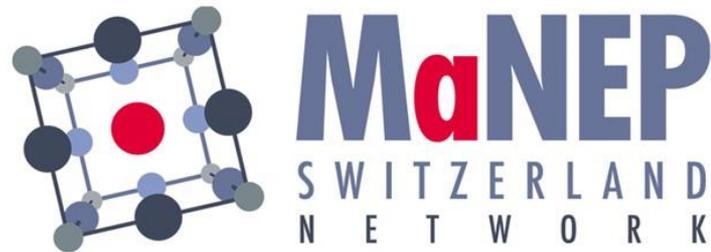
- HTS is **high research priority** for future accelerators at CERN and associated laboratories:
 - The increased awareness for energy efficiency and sustainability, as well as an increased perception of the risk in the helium supply chain, may induce a decisive transition towards coated conductors.
 - Accelerator applications need conductor research towards easier manufacturing, long lengths, and more in general properties suitable for accelerator magnets, e.g. geometry or mechanics.
 - At the same time, accelerator applications may have to change their paradigm by accepting features inherent to coated conductors.



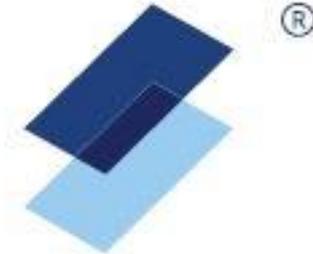
An intense CCA program !

- Over 100 contributions, equally divided among orals and posters !
- Best presentation award for students and early career researchers !
 - Award committee: B. Bordini (chair), S. Awaji, T. Kiss, V. Selvamanikam, H. Ten kate
- Social and networking activities !
 - Student evening out (Monday 10th March)
 - Welcome cocktail (Tuesday 11th March, 6:00 PM)
 - CCA Banquet (Wednesday 12th March, 7:30 PM)

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Let the workshop begin !

