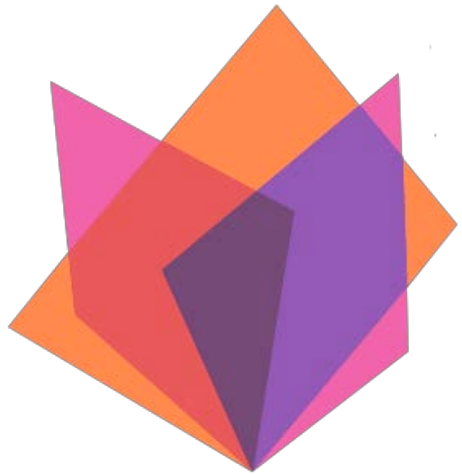


OpenMP[®]

SC'20 Booth Talk Series



Membership in the OpenMP Architecture Review Board (ARB)

Michael Klemm | CEO of OpenMP ARB

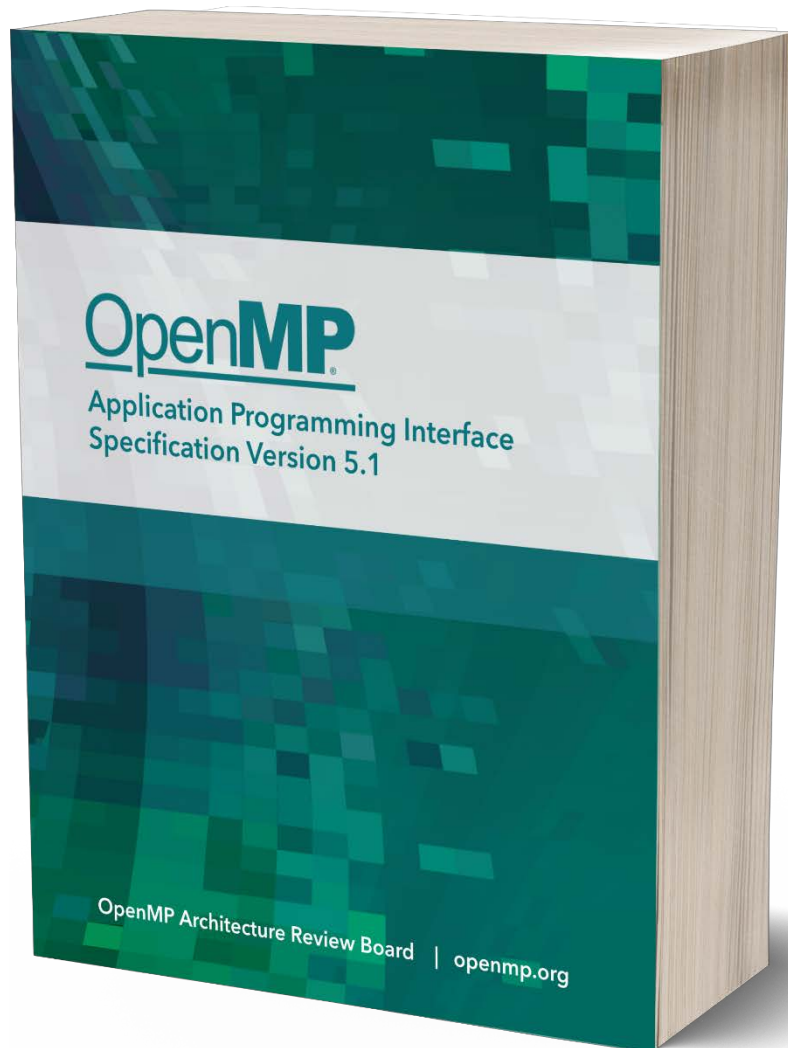
What is the OpenMP ARB?

The mission of the OpenMP Architecture Review Board is to standardize **directive-based multi-language** high-level parallelism that is **performant, productive and portable...**

 **API v5.1**

The logo for OpenMP, featuring the text "OpenMP" in a teal, sans-serif font. The "Open" part is underlined with a horizontal line. To its right, the text "API v5.1" is displayed in a large, bold, teal, sans-serif font.

OpenMP API Specification as a Book



- Save your printer-ink and get the full specification as a paperback book!
 - Always have the spec in easy reach.
 - Includes the entire specification with the same pagination and line numbers as the PDF.
 - Available at a near-wholesale price.

- Get yours at Amazon at <https://link.openmp.org/book51>

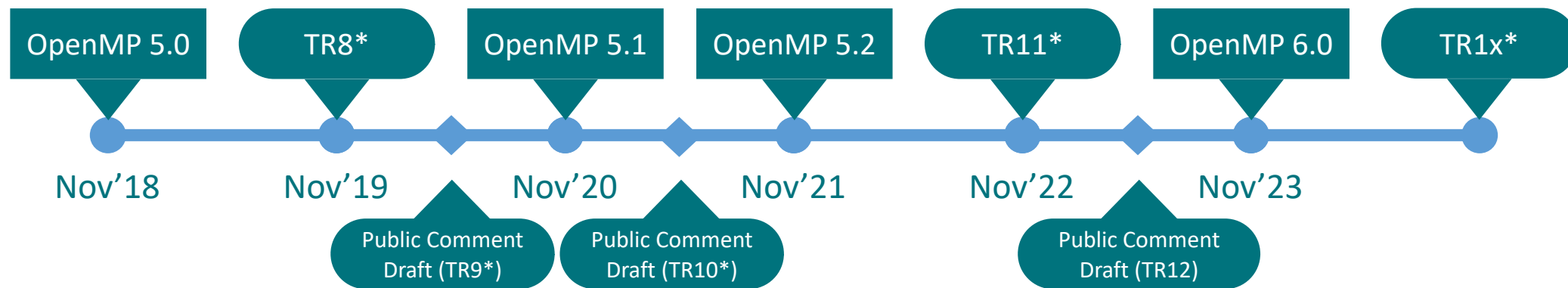
Open Standards Matter

- OpenMP is an open industry standard.
- Widely adopted/implemented across the ecosystem.
- Anyone can use it... for free.
- Anyone can implement it... for free.
- Maintained by industry-leading companies.
- Key national labs, compute centers, and universities influence it.
- It has been helping shape HPC since 1997.

OpenMP Roadmap

■ OpenMP has a well-defined roadmap:

- 5-year cadence for major releases
- One minor release in between
- OpenMP 5.2 was added as a second minor release before OpenMP version 6.0
- (At least) one Technical Report (TR) with feature previews in every year

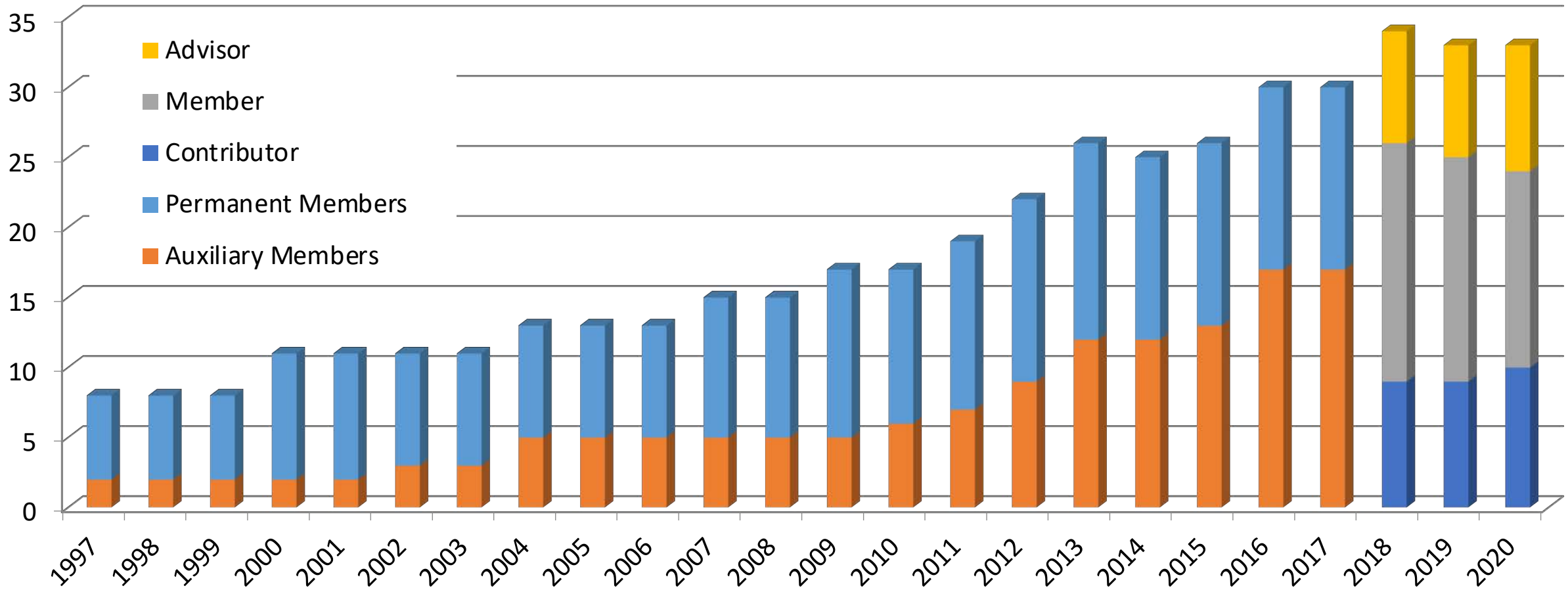


* Numbers assigned to TRs may change if additional TRs are released.

ARB Members



OpenMP ARB Membership Evolution



Membership Structure

ARB Member	<ul style="list-style-type: none">■ Highest membership category■ Participation in technical discussions and organizational decisions■ Voting rights: organizational topics■ Voting rights: technical topics (tickets, TRs, specs)
ARB Advisor & ARB Contributor	<ul style="list-style-type: none">■ Contribute to technical discussions■ Voting rights: technical topics (tickets, TRs, specs)

Your organization can join and influence the direction of OpenMP.
Interested? Contact me at ceo@openmp.org.

Development Process of the Specification

- Modifications to the OpenMP specification follow a (strict) process:



- Release process for specifications:



User Outreach & Education

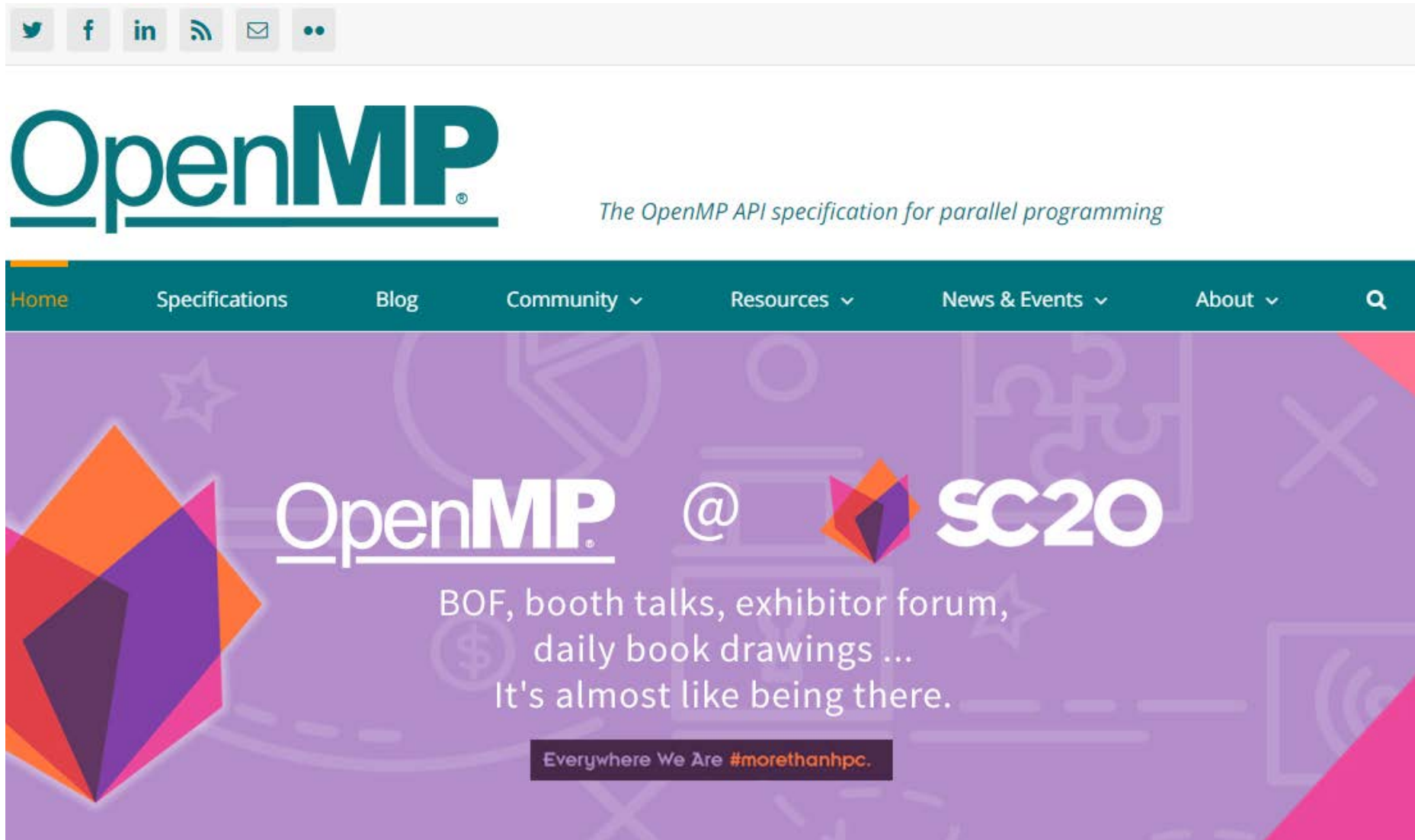


Check out openmp.org/news/events-calendar/

(Five) Good Reasons to Join the ARB

- OpenMP is important and it's our members mission to keep it that way!
- As a member you get first hand access to all drafts of the specification document.
- We actively solicit input from the community and welcome new members who want to help shape OpenMP's future.
- If you care about new OpenMP features, you can help us add them to the OpenMP specification.
- We are a fun crowd to work with!

Visit www.openmp.org for Information



OpenMP[®]

The Portable Parallel API

Visit www.openmp.org for more information