

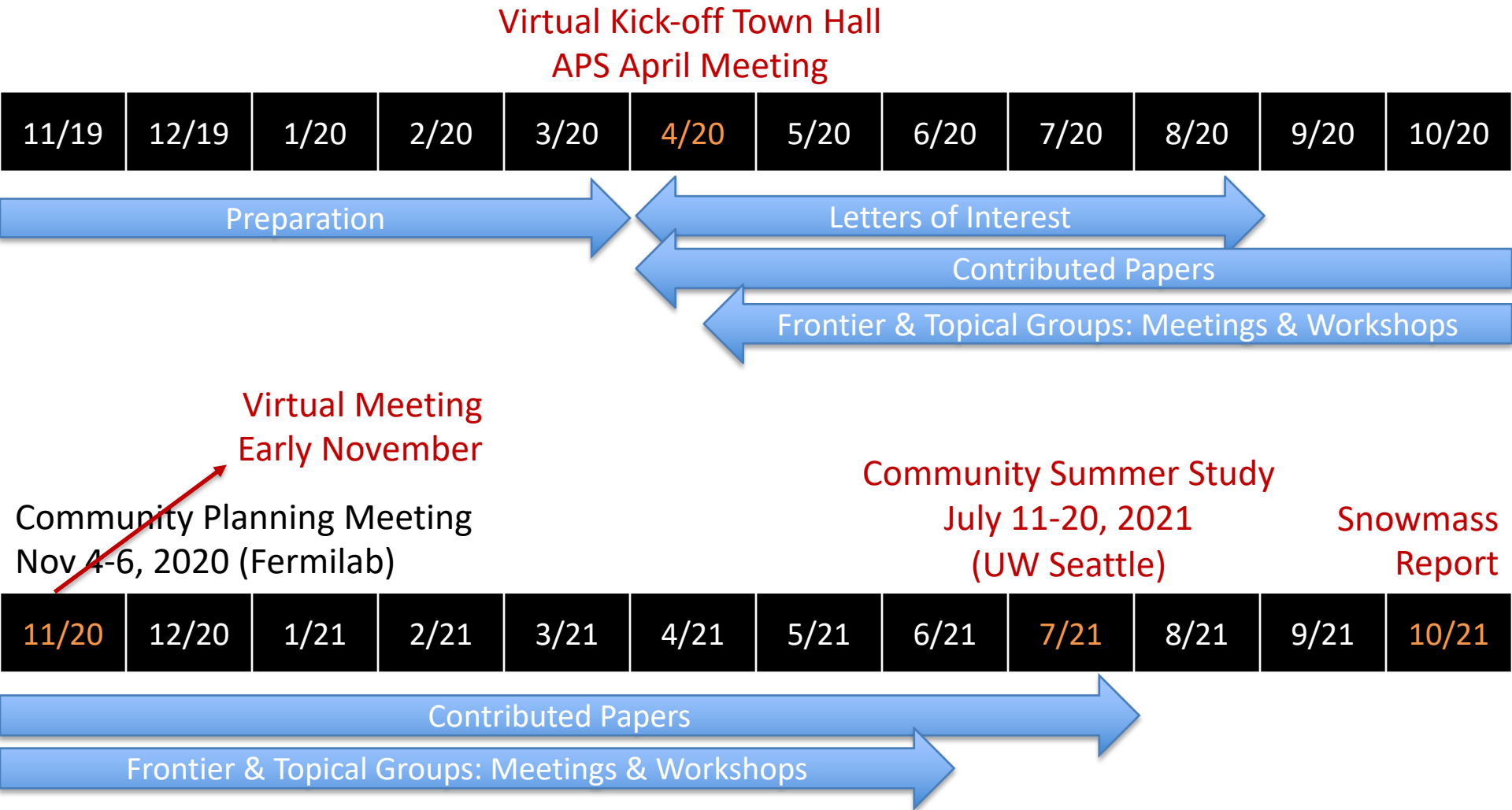
# Plans for the Snowmass Community Planning Meeting

Fermilab PAC  
July 2, 2020

Young-Kee Kim  
University of Chicago  
DPF Chair

On behalf of the Snowmass Team

# Snowmass Timeline



# Snowmass Advisory Group

- DPF Executive Committee

- Representatives from other Divisions

## Steering Group

- Chair: Young-Kee Kim
- Chair-Elect: Tao Han
- Vice Chair: Joel Butler
- Past Chair: Prisca Cushman

- DPB: Sergei Nagaitsev
- DNP: Yury Kolomensky
- DAP: Glennys Farrar
- DGRAV: Gabriela Gonzales

- Secretary/Treasurer: Mirjam Cvetic
- Councilor: Elizabeth Simmons
- Member-at-Large: Rick Van Kooten
- Member-at-Large: Elizabeth Worcester
- Member-at-Large: Natalia Toro
- Member-at-Large: Andre de Gouvea
- Member-at-Large: Mary Bishai
- Member-at-Large: Lauren Tompkins
- Early Career Member-at-Large: Sara Simon

- Editor and Communication

- Editor – Michael Peskin
- Communication – Bob Bernstein

- Representatives from the Int. Community

- Africa / Middle East
  - Azwinndini Muronga, Nelson Mandela Metropolitan Univ, South Africa
- Asia / Pacific
  - Atsuko Ichikawa, Kyoto University, Japan
  - Xinchou Lou, IHEP, China
- Canada
  - Heather Logan, Carleton University, Canada
- Europe / Russia
  - Val Gibson, Cavendish Laboratory, UK
  - Berrie Giebels, CNRS, France
- Latin America
  - Claudio Dib, Universidad Tecnica Federico Santa Maria, Chile

**Steering group meets weekly; Advisory group meets once every 4 weeks;**

**All Frontier conveners + Advisory group meet once every 4 weeks**

# Snowmass Frontiers and Topical Groups

Frontier	Co-Conveners	
Energy Frontier • 10 topical groups	Meenakshi Narain	Brown University
	Laura Reina	Florida State University
	Alessandro Tricoli	Brookhaven National Laboratory
Frontiers in Neutrino Physics • 10 topical groups	Patrick Huber	Virginia Tech
	Kate Scholberg	Duke University
	Elizabeth Worcester	Brookhaven National Laboratory
Frontiers in Rare Processes and Precision Measurements • 6 topical groups	Marina Artuso	Syracuse University
	Bob Bernstein	Fermilab
	Alexey Petrov	Wayne State University
Cosmic Frontier • 7 topical groups	Aaron Chou	Fermilab
	Marcelle Soares Santos	Brandeis University
	Tim Tait	University of California, Irvine
Theory Frontier • 10 topical groups	Nathaniel Craig	University of California, Santa Barbara
	Csaba Csaki	Cornell University
	Aida El-Khadra	University of Illinois, Urbana-Champaign
Accelerator Science and Technology Frontier • 7 topical groups	Steve Gourlay	Lawrence Berkeley National Laboratory
	Tor Raubenheimer	SLAC National Accelerator Laboratory
	Vladimir Shiltsev	Fermilab
Instrumentation Frontier • 9 topical groups	Phil Barbeau	Duke University
	Petra Merkel	Fermilab
	Jinlong Zhang	Argonne National Laboratory
Computational Frontier • 7 topical groups	Steve Gottlieb	Indiana University
	Oliver Gutsche	Fermilab
	Ben Nachman	Lawrence Berkeley National Laboratory
Underground Facilities and Infrastructure • 6 topical groups	Laura Baudis	University of Zurich
	Jeter Hall	SNOLAB
	Kevin Lesko	Lawrence Berkeley National Laboratory
Community Engagement Frontier • 6 topical groups	John Orrell	Pacific Northwest National Laboratory
	Ketevi Assamagan	Brookhaven National Laboratory
	Breese Quinn	University of Mississippi

30 Frontier Conveners and ~200 Topical Group Conveners

# Snowmass Liaisons

	Neutrino Physics (NF)	Rare & Precision (RF)	Cosmic Frontier (CF)	Theory Frontier (TF)	Accelerator Frontier (AF)	Instrumentation Frontier (IF)	Computational Frontier (CompF)	Undergrnd Facilities & Infrs (UF)	Community Engagement Frontier (CommF)
<b>Energy Frontier (EF)</b>	Andre de Gouvea	Angelo di Canto	Caterina Doglioni	Laura Reina	Dmitri Denisov, Meenakshi Narain	Maksym Titov, Caterina Vernieri	Daniel Elvira		TBD
<b>Neutrino Physics (NF)</b>		Bob Bernstein	Tali Figueroa-Feliciano, Yvonne Wong	TBD	Laura Fields	Mayly Sanchez	Alex Himmel	Albert de Roeck	TBD
<b>Rare &amp; Precision (RF)</b>			TBD	Alexey Petrov	Bob Bernstein	Marina Artuso	Stefan Meinel	TBD	Bob Bernstein
<b>Cosmic Frontier (CF)</b>				TBD		Kent Irwin	Deborah Bard, Brian Yaney	Hugh Lippincott, Jody Cooley	Sijbrand de Yong
<b>Theory Frontier (TF)</b>					Lian Tao		Steven Gottlieb		TBD
<b>Accelerator Frontier (AF)</b>						Andy White	Jean-Luc Vay		TBD
<b>Instrumentation Frontier (IF)</b>							Darin Acosta	Maurice Garcia- Sciveres, Eric Dahl	Farah Rahim
<b>Computational Frontier (CompF)</b>									David Bruhwiler
<b>Undergrnd Facilities &amp; Infrs (UF)</b>									TBD

# Snowmass Early Careers

- Early career members
  - grad students, postdocs, ....
- Organization and Leadership
  - Forming representatives for Snowmass Early Careers
    - Solicited nominations: > 250 nominated!!
      - Coordinated by DPF Executive Committee Early Career Members: Sara Simon (2020) and Fernanda Psihas (2019)
  - Defined key initiatives and key tasks for each initiative based on feedback from the early career community and the nominees.
    - surveying the early career membership, in-reach, long-term organization, DEI (diversity, equity, and inclusion), Snowmass coordination (a few liaisons per frontier)
  - Nominees are beginning to meet and decide on leadership for each of the key initiative groups as well as work on immediate tasks.
  - Once the full organizational and leadership structure is defined in the next few weeks, meetings will be advertised to the whole Snowmass early career community.

# DPF Ethics Task Force

- The Snowmass process is a dynamic exchange of ideas across a large swath of the community. These exchanges will take place in a variety of virtual (e.g., slack) and in person (e.g., workshops) formats.
- It is imperative that all DPF community members feel safe and supported in engaging in all exchanges.
  - We formed the DPF Ethics Task Force and are working on community guidelines for our slack workspace and for meetings / workshops to educate our community about microaggressions and to proactively work to provide a supportive environment.
  - Instituting a moderator process is one tool we employ to address concerns as they arise on slack.
- The DPF Ethics Task Force has drafted a set of core principle and community guidelines aimed at governing DPF sponsored activities, including all facets of the Snowmass Process (e.g., remote and in person meetings, and all slack workspaces).

# Snowmass Preparation Work

- General meetings
  - Weekly Steering group meetings
  - Quad-weekly Advisory group meetings
  - Quad-weekly all Frontier conveners meetings with Advisory group meetings
- Frontier / topical group / cross-cutting (joint)
  - Regular meetings (bi-weekly)
  - Workshops
- Communication to the community
  - Snowmass Wiki
  - Snowmass email ([snowmass@fnal.gov](mailto:snowmass@fnal.gov), [snowmass-young@fnal.gov](mailto:snowmass-young@fnal.gov))
  - Slack Channels
  - Monthly Snowmass Newsletter



# Snowmass Wiki

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Sergei Chekanov  
(ANL)

## Welcome to Snowmass 2021

The Snowmass Process is organized by the Division of Particles and Fields (DPF) of the American Physical Society. Snowmass is an opportunity for the entire HEP community to come together to identify and document a vision for the future of particle physics in the U.S. and its international partners.

We aim for everyone's voice to be heard. Your contributions and participation are critical for the success of Snowmass and they will naturally occur as part of one or more working groups directed by the conveners. There will be various Town Hall meetings for us to communicate with you and to receive your feedback. You are also welcome to provide input and suggestions on the Slack channel (<https://snowmass2021.slack.com/>). This Snowmass wiki provides news and announcements and has pages dedicated to each frontier. If you are an early career scientist, we encourage you to join the "Snowmass Young" mailing list ([snowmass-young@fnal.gov](mailto:snowmass-young@fnal.gov)) by emailing to [listserv@listserv.fnal.gov](mailto:listserv@listserv.fnal.gov) with the body of the message "Subscribe snowmass-young YOUR NAME". Agendas and presentations of all Snowmass-related meetings are available via [this Snowmass Indico link](#).

Sincerely,

Young-Kee Kim (DPF Chair), Tao Han (DPF Chair-Elect), Joel Butler (DPF Vice-Chair), Priscilla Cushman (DPF Past Chair)

[Edit](#)

## DPF Community Planning Process

Various workshops will be organized by Frontier Conveners between the 2020 Snowmass Planning Meeting (Nov. 4 - 6, 2020 at Fermilab) and the 2021 Snowmass Summer Study (July 11 - 20, 2021 at UW Seattle). Workshop locations will be chosen to maximize "inclusiveness" based on accessibility and economic consideration. For all the meetings and workshops, we will make sure that we are inclusive to those who participate remotely and we will have a special session to discuss APS efforts for openness and the importance of open international collaboration.

[Edit](#)

## News Highlight

see [Announcements](#) tab on the sidebar for a complete list

### News Highlight: Upcoming meeting

- A **virtual Town Hall meeting** will take place at the original schedule (5:30 pm – 7:00 pm EDT on Saturday, April 18). We will provide a status report and receive your feedback. ZOOM connection by Web: <https://uchicagogroup.zoom.us/j/170161490> or by Phone: 877 853 5257, 888 475 4499, or your local number at <https://uchicagogroup.zoom.us/j/170161490> (Meeting ID: 170 161 490)
- **Letters of Interest** (April 1 – August 31, 2020) – <https://snowmass21.org/loi>
- **Contributed Papers** (April 1 – July 31, 2021) – <https://snowmass21.org/submissions/>

### SnowMass2021

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- ADMINISTRATION
  - Logged in as: Young-Kee Kim (ykkim)

# Community Contributions

- Letters of Interest
  - April 1 – August 31, 2020
  - Informal documents intended to be useful in the first stages of the Snowmass study.
  - Help Snowmass conveners to prepare the CPM (early Nov.)
- Contributed Papers (part of Snowmass Proceedings)
  - April 1, 2020 – July 31, 2021
  - White papers on specific scientific areas, technical articles presenting new results on relevant physics topics, and reasoned expressions of physics priorities, including those related to community involvement

Frontier	LOI	Papers
Energy	15	3
Neutrinos	4	2
Rare Processes and Precision Measurements	1	0
Cosmic	1	1
Theory	1	0
Accelerator	9	1
Computational	1	0
Instrumentation	2	4
Underground Facilities and Infrastructure	0	0
Community Engagement	1	0

# CPM 2020: Local Organizing Committee

Name	Institution	Role
Jonathan Asaadi	University of Texas, Arlington	
Sapta Bhattacharya	Northwestern University	
Zoltan Gecse	Fermilab	
Shih-Chieh Hsu	University of Washington, Seattle	Co-chair, CSS 2021
Bo Jayatilaka	Fermilab	Co-chair, CPM 2020
Brendan Kiburg	Fermilab	Co-chair, CPM 2020
Erica Snider	Fermilab	
Tiziana Spina	Fermilab	
Gordon Watts	University of Washington, Seattle	Co-chair, CSS 2021
Yuanyuan Zhang	Fermilab	

# Next Steps towards CPM 2020

- Program Committee
  - Being formed
    - 10 Frontier representatives (1 rep. from each Frontier)
    - 2 early careers (1 from an accelerator based program and 1 from a non-accelerator based program)
    - ~4 with overall and global views
  - Program Committee's roles
    - Finalize the goal of the CMP
      - Identify input needed to define the scientific questions of our time
      - Establish cross working-group discussions and new areas to focus
    - Plan the meeting structure
      - plenaries, panels, cross working group meetings, parallel sessions
    - Organize talks / panel discussions and invite speakers / panelists
- Finalize dates and Draft a meeting agenda
  - In ~1 month, by the LOC and the Program Committee