

# Community Involvement Frontier

Improve and sustain strategic engagements with our communities in order to draw support for and strengthen the field of particle physics, while playing key roles in serving those communities. These engagements take well-coordinated efforts in many areas where the communities of experts and non-experts can understand and communicate our field's value, maximize its impact on global socioeconomic development, and open its doors to broader participation.



Kétévi A. Assamagan (BNL) Breese Quinn (Mississippi)

Topical Group		Topical Group co-Conveners			
Comm 01	Applications & Industry (A&I)	Farah Fahim (FNAL)	Alex Murokh (RadiaBeam Tech)	Koji Yoshimura (Okayama)	
Comm 02	Career Pipeline & Development (CP&D)	Sudhir Malik (UPRM)	Yangyang Chen (Cornell)	Amr El Zant (BUE)	
Comm 03	Diversity & Inclusion (D&I)	Mu-Chun Chen (UCI)	Sam Meehan (CERN)	Carla Bonifazi (UFRJ)	
Comm 04	Physics Education (PE)	Randy Ruchti (Notre Dame)	TBD	Sijbrand de Jong (Radboud)	
Comm 05	Public Education & Outreach (PE&O)	Sarah Demers (Yale)	Kathryn Jepsen (SLAC)	Don Lincoln (FNAL/Notre Dame)	A. Muronga (Nelson Mandela)
Comm 06	Public Policy and Government Engagement (PP&GE)	Rob Fine (Rochester)	Louise Suter (FNAL)	Brajesh Choudhary (Delhi)	

# Community Involvement Topical Groups

- Applications & Industry
  - Develop and strengthen HEP/Industry relationships in both directions: form more partnerships to draw on industry expertise to further HEP goals, and build on programs to facilitate transfer of HEP technologies/techniques for use in the broader society.
- Career Pipeline & Development
  - Not simply making young scientists aware of different opportunities, but also changing culture of HEP career paths (e.g. issues with Computational staffing)
- Diversity & Inclusion
  - Maybe including “Frontier” D&I, i.e. stratifications based on areas of research
- Physics Education
  - Broader than simply how we teach physics courses. It is about what education and training our field needs to produce the physicists required for the HEP program to be successful (e.g. computational, beams, instrumentation; workshops, univ/lab/collaboration-level courses, etc.)
- Public Education & Outreach
  - This is where most of Snowmass 2013 CEO Frontier focus lives, and what some think of as the whole of Snowmass 2021 CI.
- Public Policy & Government Engagement
  - Been quite successful on US Federal level. Need to look both smaller picture (local/state), and larger picture (international).

# Community Involvement Frontier: Plans

- Note concerning the nature of the Community Involvement Frontier
  - This one is somewhat different. Composed of Topical Groups dealing with different issues of community-wide engagement that cut across all Frontiers, rather than all focusing on specific aspects of one area of our field.
  - Each CI Topical Group will need to work with other Frontiers at least as much as with other CI Topical Groups.
- Meetings with CI Topical Group conveners
  - We will start monthly meetings of all the Topical Group conveners last week of April. At first meeting, we will go over the charges and develop best working plan for each Topical Group.
- Meetings with other Frontiers
  - We met with the Computation Frontier Conveners and agreed to bring “talent acquisition and retention” (i.e. training and career development) under CI “Career Pipeline & Development” and “Physics Education”.
  - Most Topical Groups will require sustained direct engagement with multiple Frontiers.
  - After our first meeting with Topical Group conveners, we will engage the other Frontiers to develop appropriate working structures for most effective cross-communication.
- Workshops with the community
  - Will be most effective to have 2-3 Topical Groups combine to hold joint workshops with other Frontiers, rather than all CI Topical Groups hold a workshop together.

# Community Involvement Next Steps

- Topical Groups Self-organizing
  - Since this is a horizontal cross-cutting, rather than vertically focused frontier, Topical Groups will be largely organizing individually (though not independently), according to their specific work needs
- Three main objectives over next month
  1. Develop list of working areas/focus issues
  2. Build core team of Topical Group members
    - i. Including expert non-HEP consultants
  3. Organize work/meeting schedule