

# Working Group 3 Update



**IDT-WG3 Physics & Detectors**



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European ILC Community Meeting, Jan 27 2021





# IDT-WG3: Physics & Detectors

## what happened so far....

- Since summer 2020:
  - WG3 chaired by Hitoshi Murayama
  - a core WG3 was formed, to a large extent based on the former LCC Physics & Detector EB
  - ~monthly meetings for exchange on global ILC activities & politics
  - main goal of WG3 for the IDT period: (re-)build the ILC community!

**=> create a structure of active WGs, with open bottom-up participation, to discuss and work on physics, detectors, software etc**



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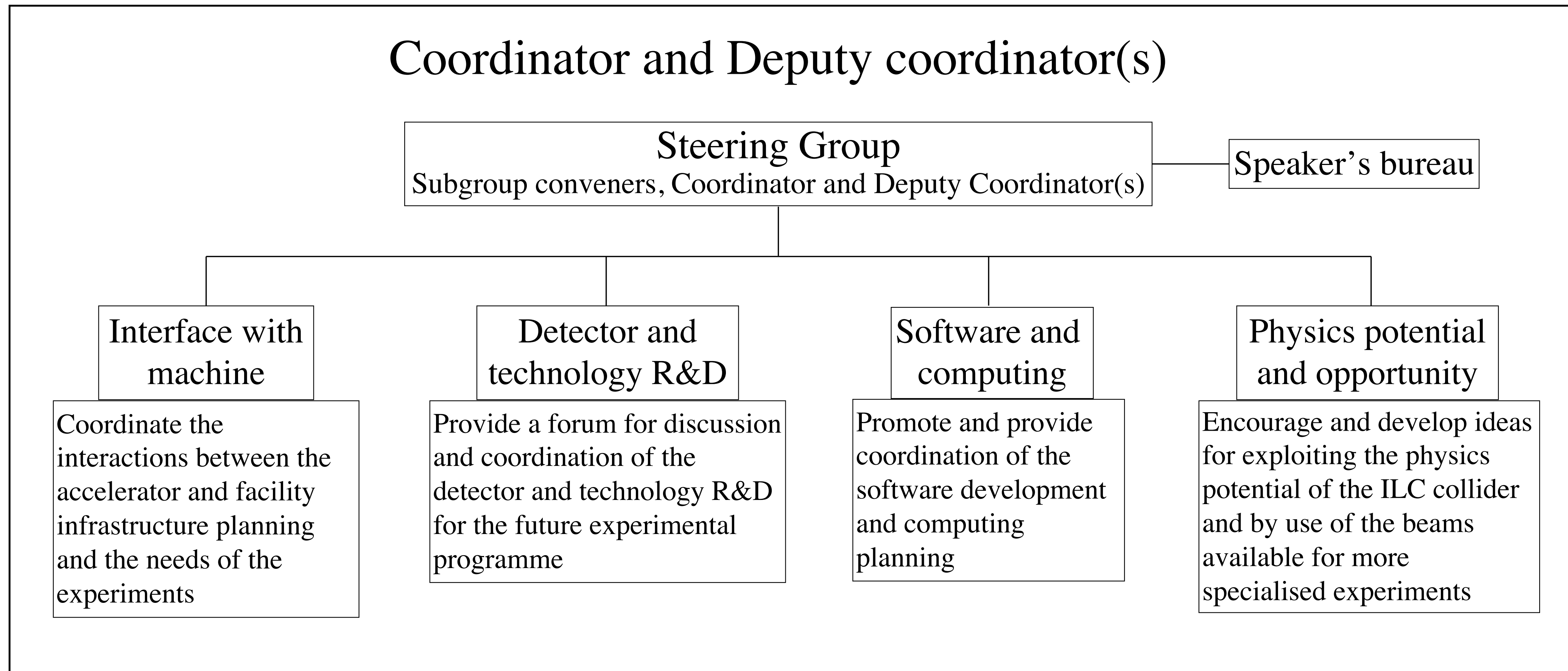




# WG3 Structure

Chair, Steering Group, Speakers Bureau, 4 Topical WGs

## WG3 Organisation and mandates



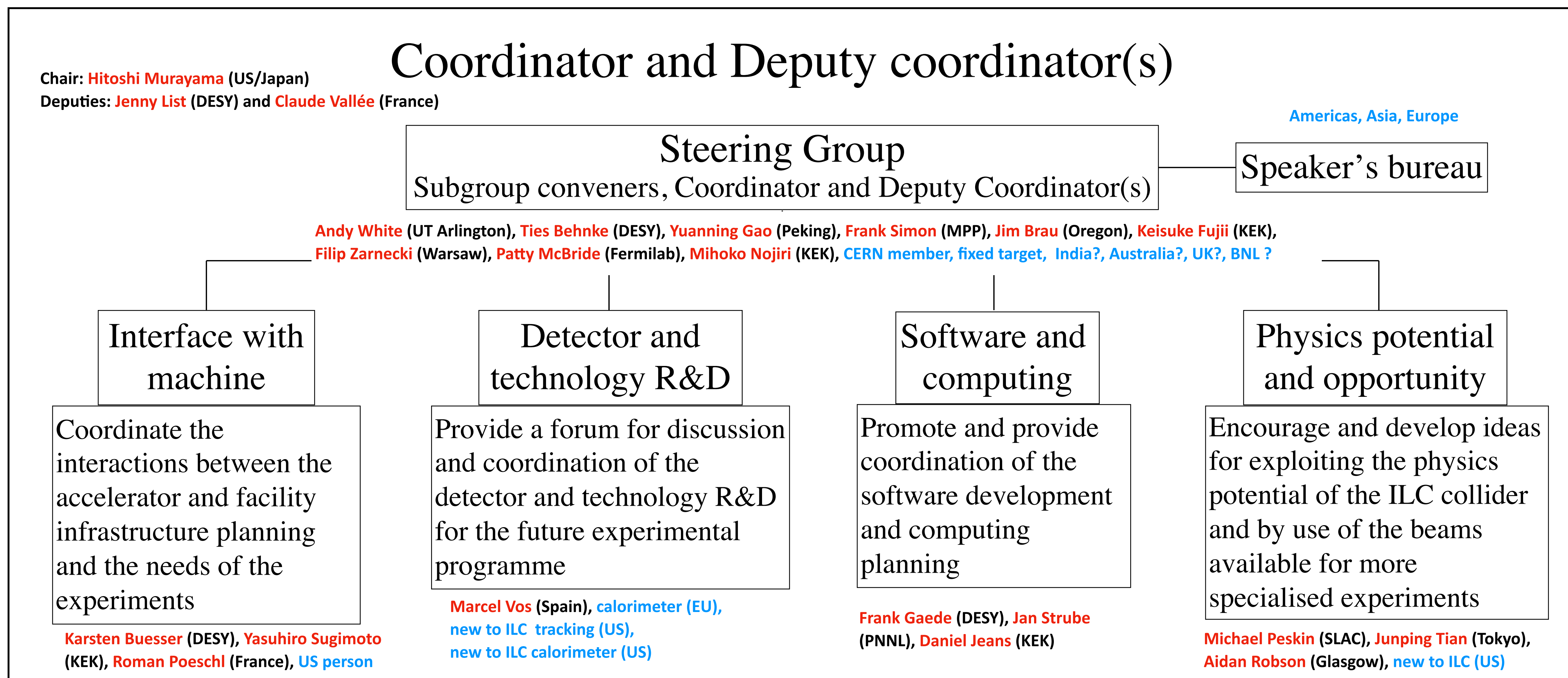
# WG3 Structure

## additional considerations

- small number of conveners per WG, but charged to form
  - broad participation
  - subgroups / task forces as needed (in particular for “physics”)
- mix of experienced (I)LC people and newcomers
- conveners should be able to comit a substancial amount of their time
- detailed WG charges / plans will be discussed and agreed together with WG3 steering group
- make a serious attempt with regional and gender balance

# Status of Appointments (red = accepted, blue = not yet asked / responded)

## WG3 Organisation and mandates



# WG3 Next Steps

## the way forward

- last night had the last meeting of the “old”, “LCCPDeb-like” WG3
- Feb 9, the new WG3 Steering Group will meet for the first time, with the conveners of the four WGs, probably then keep bi-weekly rhythm
- rather quickly converge on more detailed plans for each WG of how to reach out and re-engage the community (as far as possible without serious funding...)
- “big Workshops”
  - LCWS -> Steinar’s presentation
  - WG3 already starts thinking about Workshop on the Experimental Program at the ILC planned for Oct 25-28 (in Japan ?)
- beyond that, envision regular, continuous topical WG activities



# Off-Topic News

## CERN Courier Jan/Feb issue features physics program of Higgs factories

### FEATURES

#### HIGGS PHYSICS

##### Targeting a Higgs factory

An electron–positron collider following the LHC would yield precise knowledge of the Higgs boson. **23**



Source: R Ellis

#### BEYOND A HIGGS FACTORY

##### FCC–ee

A 100 km circular electron–positron collider would be the first stage towards a 100 TeV proton–proton collider. **29**

##### ILC

High–luminosity, polarised beams and the triggerless operation of detectors offer rich physics opportunities. **35**

##### CLIC

The precision of a lepton collider and the high–energy reach of multi–TeV collisions has great discovery potential. **39**

**Enjoy!**

