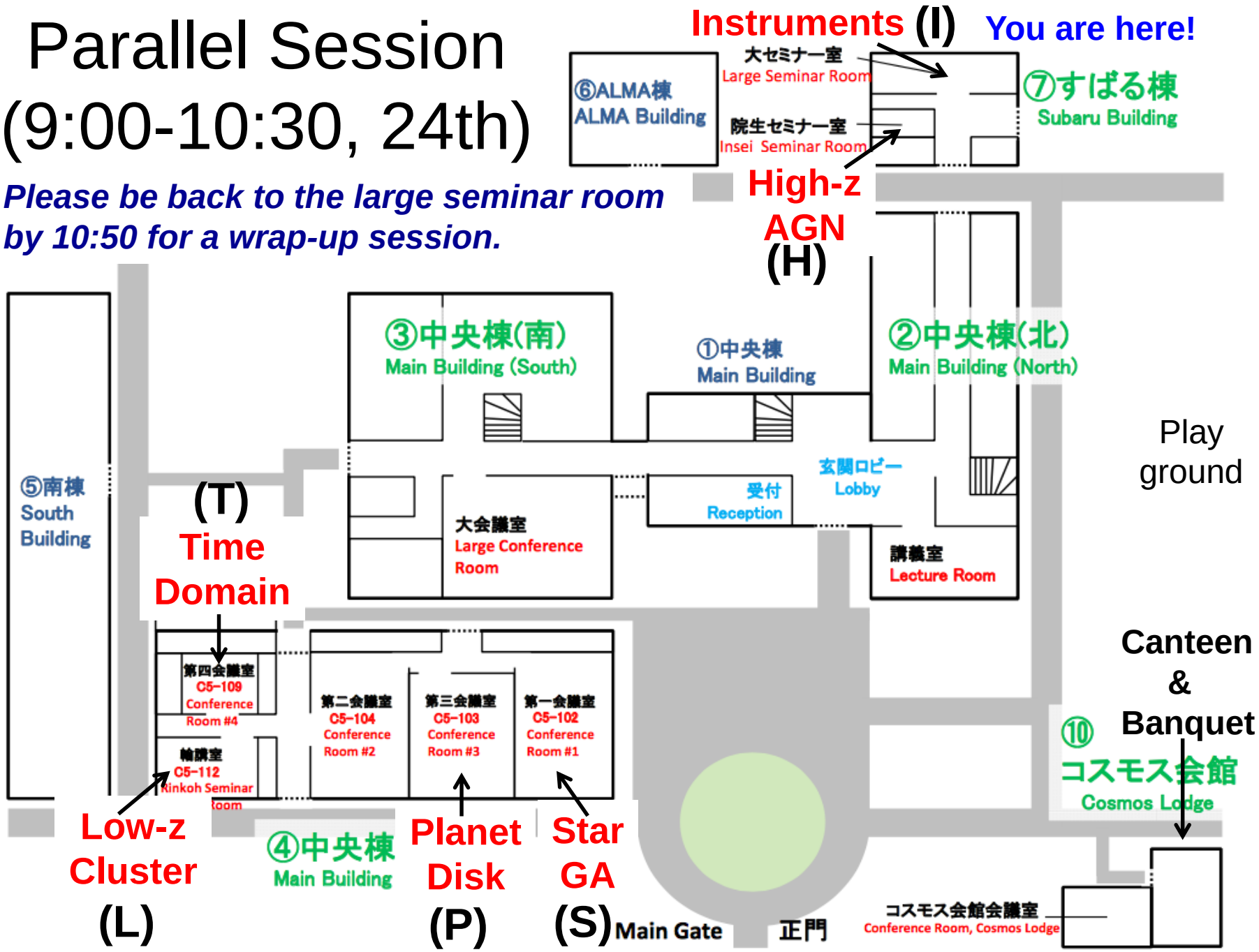
Parallel Session (9:00-10:30, 24th)

Please be back to the large seminar room by 10:50 for a wrap-up session.



<<Questions to the speakers>>

(1. Yourself) What are your science interests and what projects are you working on?
(2. On-going) Is there any current on-going collaborations on Subaru or with other potential partner countries?
(3. Short/Long term) What are the potential future collaborations with Subaru (in short term <5yrs and long term >5yrs)?
(4. Size) What amount of Subaru nights are required to complete your programs? Does that fit in the current Subaru open-use programs (intensive/normal/service)?
(5. Instrument) What Subaru instruments will be used (current and future)? Request of any new instruments?
(6. Operation) Any request to Subaru science operation from scientific perspectives?

<<Discussion items>>

***Define some model cases of collaborations (both science and instrumentation)**
*How do we organize medium-to-large class programs other than SSPs? Or do we just follow the current open-use scheme?
***Feedback to Subaru instrumentation and operation from scientific perspectives?**
*Improve awareness of the Subaru partnership in the communities
*How do we deal with ToO programs?
***Launch science/instrumentation working group in each category for further discussion/contact/mini-workshop?**

Each group leader is requested to report a summary of parallel session in 8min in the wrap-up session.

Exoplanets and Disks and Brown Dwarfs

- **Who turned up …**
  - Chris Tinney (UNSW) – Doppler exoplanets, transit exoplanets, brown dwarfs
  - Michael Ireland (ANU)
  - Greg Herczeg (KIAA/PKU)
  - Tae Soo Pyu (Subaru), high-resolution imaging, disks, outflows
  - Stan Metchev (UWO, Canada) – brown dwarf variability, atmospheres, circumstellar debris disks

<<Discussion items – Exoplanets, Disks, Brown Dwarfs

- **Define some model cases of collaborations (both science and instrumentation)**
  - Doppler
    - CGT: IRD (Motohide Tamura (inst), Brunei Sato science PI)
      M dwarf Doppler science ⇔ *Veloce Rosso* M dwarf Doppler science ⇔ SPIROU on CFHT
      Instrumentation collaboration
      Data reduction collaboration
      Solving the SCexAO single-mode feed problem
      Conflict between imaging and SM IRD mode
  - ULTIMATE GLAO – looking for science cases now via an open call.
    - Astrometry? – a long way down the track
    - < 200Myr cluster mass functions over wide areas. Strong Canadian experience in this from CFHT surveys with MegaCam and WIRCAM.
    - Galactic structure through Baade's window-style surveys?
  - ScexAO – disks, planet imaging

<<Discussion items – Exoplanets, Disks, Brown Dwarfs

- **How do we organize medium-to-large class programs other than SSPs? Or do we just follow the current open-use scheme?**
  - **E.g. AAO "Long-term proposal" vs "Large Programme"**
  - **Subaru "Intensive program" vs "SSP" – but SSP is really instrument builder payback, rather than a "Large Programme" in the AAO sense.**
  - Could allow proposals over multiple semesters, but at smaller scale than SSPs (20-40n spread over 4 semester?)

- **Feedback to Subaru instrumentation and operation from scientific perspectives?**
  - **What instrumentation does exoplanets/brown dwarfs drive?**
  - **IRD survey might want to run a 'queue' to fill gaps in their survey targets with other instruments (SCexAO) or other targets with IRD.**
  - **SCexAO probably wants to be able to run a queue so they can switch to something else**

<<Discussion items>>

- **Improve awareness of the Subaru partnership in the communities**
  - **Invitation to Subaru leaders to do a speaking tour …**
    - **For EAO countries there may need to be more training in how to use those facilities**
    - **Australian awareness may not be as good as you've been led to beleive – has to talk to *whole* community not just current collabs**
  - **Same in reverse ...**
  - **"Potential Barrier" to engagement of science needing a whole night.**
- **How do we deal with ToO programs?**
  - **Multiple models available**
    - **Gemini/ESO** – ToO programs apply, get awarded number of triggers & hours of observation. Usually over-ride queue mode. Any classical observer who gets over-ridden gets payback in queue mode. Its easy if you have a queue
    - **AAT –** ToO programs apply, get awarded a number of triggers & number of hours of observation. Over-rides can be triggered over any observer curently using the right instrument. Any scheduled observer who gets overridden for more than 3h gets payback. More complicated if you don't have a queue.
    - **Trigger type depends on speed required …**
- **Launch science/instrumentation working group in each category for further discussion/contact/mini-workshop?**
  - Need leaders - Collaborative tools are cool, need leaders to **make stuff happen**