Topics for discussion in ADAC Applications Working Group at 2017 Tokyo meeting

1. Invited local participants
   1. Kazuya Ishimura: Smash
   2. Koji Yasuda: post K project (poster)
   3. Takahito Nakajima: NTChem
   4. Maho Nakata: GAMESS
   5. Ryuji Sakamaki: Quantum Chemistry, MD
   6. Shinji Nagashiro: X-ability
   7. Takayuki Aoki: Stencil, Particle
2. Direct participation in current DSL projects
   1. Non-bonded forces: MSM, FMM
   2. Linear algebra: ExaTensor, DLA
   3. Stencil applications: CFD
3. Opportunities in other current Application projects
   1. Electronic structure applications – NTChem
   2. Exascale Computing Projects – NWChemEx
   3. Center for Accelerated Application Readiness - LS-DALTON
   4. GronOR collaboration on non-orthogonal CI - COIN
4. New cross-institution projects
   1. Data analytics applications
   2. Portability projects
5. Workshops – Outreach to developers and users
   1. Molecular dynamics AICS meeting in February at RIKEN in Kobe
   2. Electronic structure meeting (e.g. Symposium at ACS Mar 18-22, 2018, New Orleans, LA)
6. Communication
   1. ADAC branding through new web site population
   2. List of available development testbeds with method to get access
      1. ORNL: SummitDev (P8+Pascal), Percival (XC40 KNL), Cavium(ThunderX ARM), Crest
      2. CSCS:
      3. Tokyo Tech:
      4. Univ. Tokyo:
   3. Joint publication highlighting common practices
   4. STAR codes – metrics for listing
7. Define target deliverables
   1. Develop an management plan for working group (Tjerk, Rio, Tim)
   2. Establish development teams (Start with DSL projects)
      1. All stakeholders (DSL+Apps)? Would ensure adoption
      2. Work plans to start with API definition
      3. New institutional members of ADAC
      4. Work plans with timeline
   3. Mechanism for repository/distribution
   4. Mechanism for maintenance