Dear All,

SweGRIDS invite PhD project applications from research groups at KTH and Uppsala University. The template for project proposals and the SweGRIDS decision making process together with an overview of the research areas are enclosed. The call is open for all and within all subject areas of the centre. A maximum of 20 PhD projects might be funded. The criteria for selecting a project in SweGRIDS are: scientific quality, energy relevance, a gender equality plan for recruitment (the objective is that at least 34% of the new recruits are females), support of at least one company among the SweGRIDS partners, consistency with SweGRIDS goals, a relevant project reference group and subject to available resources in the SweGRIDS centre. Please send your applications to Caroline Öhman (caroline.ohman@angstrom.uu.se) and Rajeev Thottappillil (rajeev@kth.se) latest by January 31, 2018. For more information and running projects in SweGRIDS, visit www.swegrids.org.

Collaborative projects between KTH and Uppsala University are highly encouraged. There will be a match-making meeting at Uppsala University the third week of January. If you would like to participate, please fill in your availability in the following doodle by the latest December 20, 2017.

https://doodle.com/poll/97t32umbqsgtch9h

The next SweGRIDS board meeting will most likely be in the morning on February 16, 2018 at the Energy agency in Eskilstuna. The Board may request the project proposers to make a short pitch of the proposal at the meeting.

Please distribute this call for proposal to any groups in Uppsala University and KTH that you may feel could be interested.

Best Regards,
SweGRIDS Team

2017/12/12
SweGRIDS research areas

Research areas in SweGRIDS phase 3 are aimed at developing the necessary technology for flexible, highly connected, resource-efficient power systems.

These include flexible power systems (e.g. reliability, stable operation, control methods, markets), controllable power components (new and improved components, power electronics, protection and control components, diagnostics and monitoring, asset management), power system digitalization (reliable distributed control systems, handling of large datasets, new energy services, security, and vulnerability analysis), and materials for power grids and energy storage (new/improved insulators and conductors, battery materials and magnetic materials, materials with better environmental properties or avoiding dependence on rare substances). The areas overlap: projects are encouraged that span across areas and take advantage of more than one research group’s competence.
Decision process for starting a project in SweGRIDS phase 3, 2018-2021

In summary of the diagram: applications are made to the SweGRIDS program from research groups at KTH and/or UU; they are checked by the program’s management, and will alert the proposer if any criteria for the project is not likely to be met; are presented to the program’s advisory group for evaluation according to the program aims; the advisory group reports its recommendation to the President of KTH, who in consultation with UU makes a decision on the approval of funding for particular projects.

**SweGRIDS**

**Decision process for starting a project in SweGRIDS phase 3, 2018-2021**

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## Proposal for a new Project in SweGRIDS

**Title of the proposed project.**

**Project Areas:** Flexible power systems/Digitalization of power systems/Controllable power components/Material technology for the electrical grid and energy storage

**PhD or Postdoc project?**

**Sponsoring Industry/ies and contact person/s:**
(Give also email and telephone number)

**Project supervisor/s and University/ies (KTH/UU):**
*Joint projects are highly encouraged*
(Give also email and telephone number)

**Gender equality plan for recruitment (our target is to have at least 34% of all new recruits into SweGRIDS to be female, an increase from the present 20%)**

**Start Date of Project and duration:**

**Short project description (Maximum one page):**
(The scientific challenge addressed, why it is important, what is the expectation from project?)

**Energy relevance of the project (two to three sentences):**

**How it supports SweGRIDS objectives (See www.SweGRIDS.org)?**

**List proposed members of reference group and their affiliation (minimum 3 persons).**

**Yearly financial support requested for the position from SweGRIDS:**
In percentage (100%, 75%, 50% etc...)

**Desired start date for financial support (expected day of joining of the PhD/postdoc):**

**Note:** 100% financing from SweGRIDS for new projects is expected to be 560 kkr/year for maximum up to 2021/12/31 for PhD projects and for maximum 2 years for Postdoc projects. In addition, projects supported by ABB, Vattenfall, SvK, Elle, E.on and Höganäs are expected to get additional 340 kkr/year for each projects. The amounts indicated are suggestive and subject to approval by the new SweGRIDS board.

Date:
Name of person submitting with contact email and telephone: