

## **1. Introduction**

Over 2008 and 2009, Stasor plans to organize several research and training activities, essentially on growing multidisciplinary areas of information technology, physical sciences, and industrial applications. The subjects of proposals can involve theory, simulation, and experimental activities or a combination of them. The proposals will be selected based on the scientific novelty, the impact on the international community with special emphasis on bringing together scientists from developing and developed countries, basic trainings for younger scientists, and distance collaboration schemes.

The accepted proposal will be supported by Stasor and its members, in term of facilities, tools, management, supervision, publication, consulting, and knowledge transfer. Stasor presents courses and trainings for career development and computer simulation subjects. Special topical workshops will be also arranged if needed. It is expected that Stasor enables the project members to enhance the quality of their CV by different activities, especially the scientific publications. It is also expected that the members together with Stasor go further toward commercializing the ideas. Special consulting services will be also provided for Stasor project members. More information can be found in [www.stasor.com/consult.html](http://www.stasor.com/consult.html).

## **2. Types of activities**

Proposals are invited from different level of international communities for any of the following types of activities:

- Professional academic research activities
- Applied and industrial research activities
- PhD or Master projects
- Bachelor or Early university projects
- High school projects
- Voluntarily research activities

## **3. Research areas**

Proposals are invited in all areas, especially in areas where there are interest at Stasor:

- Photonics and Optoelectronics

- Multi-physics and Finite Elements
- Nanoscience and Nanotechnology, and Nano-reliability
- Molecular Modeling and Biotechnology
- Laser Technology
- Renewable and Novel Energy Sources
- Science Education and Advanced Teaching
- Management and Business Administration
- Software Engineering and Information Technology
- Computer Graphics and Advanced Animation Techniques
- Econophysics and Social Studies

#### **4. Time table and deadline for proposal submission**

Stasor is not limited to certain time scale for proposal submission; therefore this call will be open by the end of 2008. Please contact [info@stasor.com](mailto:info@stasor.com) to get the latest version of this document.

#### **5. Process of Proposal Submission**

Through the call for proposal process, Stasor invites interested and qualified applicants to develop a project proposal and to submit it. The electronic applications should be in either Latex or Word format and should be sent to [admin@stasor.com](mailto:admin@stasor.com)

Once an application has been received, it will take about 2 weeks to be assessed and ranked by Stasor against a predetermined set of criteria, which are clearly outlined in this document. In determining the highest ranked applicant(s), Stasor may also consider other factors about candidates, which are not mentioned here.

As a first step, the prospective proposers should send their information, “Summary Proposal”, and contact Stasor for preliminary discussions. The “Summary Proposal” should include the following information:

- Type of Proposal (e.g., Distance PhD program, high school project, etc.)
- Title of the proposal, short abstract, and key words
- Information about proposer, including a curriculum vitae
- Possible organizers and other institute who might be involved
- Description of the topics to be covered and reasons for their special interest
- Tentative names of collaborators and necessary expertise

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- Expected output of the project
- Duration of the project and estimated time for performing the project
- Requirements, including software, hardware, human resources, etc.
- Relevance to scientific activities in developing countries and collaboration with developed countries
- Relevance to the training for younger scientists, distance collaboration schemes, and team work activities

After initial acceptance of “Summary proposal”, the “full proposal” can be written together with one of the Stasor Board members, if help needed. The full proposal should include the introduction on the topic, motivation and importance of the topic, needed resources and information, list of work packages, and time table.

The full proposals should include technical details in all mentioned items, and can be finalized through a close communication with one of the member of Stasor Board.

All proposals will be reviewed and evaluated by an Advisory Panel. The criteria for selection are:

- The scientific merit and the quality and originality of research approach
- The potential impact on scientists in developing countries
- Timeliness and impact on the development of the subject, as described above
- Possibility of supplementing the Stasor contribution with external funding
- Qualification of applicant and availability of infrastructure
- Proposals should include young scientists
- Expected results and outcomes

### **Important Notes:**

- A university program may be combined with a Stasor project. In this case, the university and Stasor should be kept in regular contact, considering the limitations of knowledge transfer and confidential topics. The project manager should organize a clear framework to knowledge transfer, and all of project member stay ready to present a clear picture of Stasor project.
- All project as well as the members should be open to new members and further collaboration. If proposals from nearby areas or similar fields come from different sources, the Advisory Panel may attempt to merge them in cooperation with the proposers, in order to encourage better interaction among segments of a larger community. The project members should be open to such suggestions.
- Proposals are welcome at any time, and should be submitted in electronic format. The process of activation of a project might take several weeks; therefore the early submission of the proposal abstract is recommended.

- Because of limited time and financial reasons, some iteration on the duration, size and time of the programs may be required. In particular, it is desirable to plan extended activities outside the crowded summer months.

### **6. Stasor Policy and Terms of Collaboration**

Stasor – Scientific and Technological Association of Self-Organized researchers is a non-governmental, and non-profit association. It provides a platform for young researchers around the world to be able to work on scientific projects in different teams, learn advanced team work skills, and improve their career faster in an efficient way. It also provides a scientific environment for the researchers from developing countries to keep contact with each other, build contact with other researchers from developed countries through distance collaboration possibilities, and use the facilities in different groups.

Stasor provides supervision and management of scientific projects, with special focus on team work collaboration. All Stasor members, including the scientific staffs, project managers, project collaborators, and trainee members are highly committed to team work, and should inform Stasor, concerning progress, meetings and events of the project.

The intellectual properties of the projects belong to the Stasor. It includes the software and hardware products, patent registration, publications, presentations, workshops, and other means of transferring ideas, products, and knowledge.

Any Stasor team includes the following project members:

- Project proposer, person(s) who initially proposed the idea or write(s) the proposal
- Project manager(s), who plan(s) for the project progress, gives direction of the project, and manage(s) the meeting and activities, etc
- Scientific staff, who scientifically supervise the project
- Project collaborator(s), who work(s) directly in the project
- Trainee(s): who are involved in the project for learning reasons

Please note that, at least one person from Stasor Board is directly involved in the project as manager, or scientific staff, who also attends the meetings. All publications, patents, and other kind of transferring ideas, products, and knowledge coming out of these projects, need to be jointly authored by Stasor Board member of the project.

All of project members are committed to the team work concepts, and should report their activities monthly. Equivalently the project manager should prepare the “Minutes of the

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Meeting”. The “Minutes of the Meetings” should be written in standard Stasor format, i.e. a Microsoft Excel file. For more information please contact [info@stasor.com](mailto:info@stasor.com).

### **7. Recruitment Policy**

Stasor is the recruiter of new members for the projects, and gives the new young talents the possibility to join the running project, for team work and training purposes.

It is recommended that the project proposers try to introduce a team and the candidates for the projects. In this case, the Stasor organizes the tasks and distribute the tasks among the project members. It is also recommended that the project proposers try to arrange a list of necessary skills for further potential candidate collaborators. Such positions for further project members will be advertised by Stasor. In the advertisements for new positions some of the basic aspect of the project will be described, however the main ideas will not be revealed. The application for the free positions in accepted projects will be arranged and advertised by Stasor and from Stasor website. Stasor encourages the project members to distribute the advertisement further.

In order to get more information about the proposals, please contact [admin@stasor.com](mailto:admin@stasor.com)