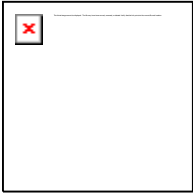


From: Theresa Brunasso <theresa.brunasso@ieee.org>
Sent: Monday, May 15, 2023 1:25 PM
To: Derik Pack
Cc: Allen Jones; Damith Wickramanayake; Damith Wickramanayake; Joseph Pennisi
Subject: Re: Request for IEEE Region 3 Project Funding Received

Yes, I approve this project.

Theresa Brunasso
IEEE R3 Director



On Sun, May 14, 2023 at 2:19 PM Derik Pack <derik.pack@gmail.com> wrote:

Theresa,

Allen endorsed a Region 3 Project Funding request from Richmond Section and recused himself from voting. Both Damith and I reviewed and approve the proposal. I have attached the proposal, and my email comments below about the proposal itself. If there are any questions, please let me know.

Derik Pack
Section Chair, Coastal South Carolina Section
Member, Region 3 Projects Committee

On Fri, May 12, 2023, 9:09 PM Derik Pack <derik.pack@gmail.com> wrote:

Allen,

I definitely got overwhelmed by life.

The proposal is outside my normal area of expertise but it is well written enough to convey key concepts without expertise in the arena.

The proposers are looking at technical alternatives for heat pumps which would reduce energy use and dependence on chemicals that cause global warming. The proposal plan does not seem to be an exploration of a prototype next generation heat pump. It seems to be an evaluation of techniques to modify current toolsets to produce the materials necessary to begin prototyping next generation research. It meets a good definition for basic research in a climate change arena, and I expect a successful pilot project would lead to additional research dimensions. The proposers primarily identified materials for procurement under their effort. I'll tentatively concur with funding the project as long as an expected outcome is publication and a presentation back to the Region on the experiment outcomes.

Damith,

What are your thoughts?

Derik

From: Derik Pack <derik.pack@gmail.com>
Sent: Friday, May 05, 2023 7:19 AM
To: Allen Jones <allen.jones@ieee.org>
Cc: Damith Wickramanayake <damithwick@gmail.com>; Damith Wickramanayake <DAMITHWICK@ieee.org>; Radhika Barua <rbarua@vcu.edu>
Subject: Re: Request for IEEE Region 3 Project Funding Received

I'll review this weekend and get back to you.

Derik

On Mon, May 1, 2023, 11:48 PM <allen.jones@ieee.org> wrote:

Damith and Derik,

I received two requests today for funding consideration under our Region 3 Climate Change Projects grant program. Both were from the Richmond Section. I contacted Director Theresa Brunasso to see how she wanted me to handle the potential conflict of interest of my being both the project endorser (as the Richmond Section Chair) and one of the project reviewers (as a member of the Region 3 Projects Committee). She has asked me to retain the role of project endorser for requests coming from the Richmond Section while having the two of you handle the review of such project funding proposals for Region 3.

Of the two Richmond Section proposals that I received, I rejected one for several reasons, including the fact that it only had one IEEE member and one non-member listed and the fact that the two submitters underestimated, by orders of magnitude, the time, complexity, and expense of what they were proposing.

The proposal that I am attaching is the one that I am endorsing. Dr. Radhika Barua (the Chair of the Richmond Section Magnetics/Engineering in Medicine and Biology Joint Chapter) and two of her graduate students (all IEEE members) are proposing working with undergraduate students on a system that will use the magnetocaloric effect to vastly improve the energy efficiency of heat pump water heaters and to do so in a way that avoids the use of high global warming potential refrigerants.

I have added my formal endorsement of the project to the last page of the proposal.

If, after reviewing the application, you feel that this project should be approved, please send your recommendation to Theresa Brunasso for her final approval. I have copied Dr. Barua on this email so that you will have her contact information if you need any clarifications on the application.

Thanks,

Allen

Allen Jones

Chair, IEEE Richmond Section

Secretary/Treasurer, Richmond Chapter of the IEEE Computer Society

IEEE Region 3 Projects Coordinator

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