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SCI Digest vol 2

15 February 2018

A publication to drive action and leverage global

partnerships for the solar cooking sector

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From the Executive Director

Spotlight on SCI Global Advisors

Throughout three decades, we have learned beyond a doubt that solar cooking succeeds in communities where people are convinced it will work, and everyone is involved.

SCI staff can't be everywhere at once. Nor should we be.

We respect our partners' superior cultural and advocacy knowledge in their local context. To share leadership opportunities and build local advocacy partnerships, SCI created its Global Advisory Council. Since 2014, SCI has put a spotlight on the work of the Global Advisors whose work leads best practices in our sector. From national to United Nations advocacy, to hosting a SCI conference, SCI's Global Advisors provide important leadership and energy for the global solar cooking movement. And SCI continues to increase the number of members and broaden the regional diversity of its SCI Global Advisory Council in response to requests from our partners.

For 30 years, SCI has involved people around the globe. Cooks, rural residents, restaurant owners, entrepreneurs, teachers, project managers, academics, inventors, or small businesses: each has expertise and best practices that teach all of us how we can move the needle in solar cooking.

Global Advisors are nominated by SCI Associates, SCI staff, and SCI board members. In December 2017, SCI called for nominations for SCI Global Advisors in the *SCI Digest*. Associates responded to nominate colleagues whose solar cooking work they hold in high regard. The board of directors approved new SCI Global Advisors at the 3 February 2018 board meeting.

It takes many people to work together on the solar cooking solution. This month, we specially honor the SCI Global Advisory Council members. To nominate an associate for this role, please contact info@solarcookers.org.

[Meet SCI's Global Advisors.](#)



Julie Greene
Executive Director

Solavore Sport: SCI PEP Preliminary Results

Preliminary results from SCI's [Performance Evaluation Process \(PEP\) test of the Solavore Sport](#), a box-oven solar cooker manufactured by [Solavore](#), can be found at solarcookers.org/results/ and is listed as "[P06 Solavore Sport.pdf](#)".

SCI acknowledges and thanks [Anne Patterson, CEO of Solavore](#), for being one of the first manufacturers to explore the value-add that preliminary PEP testing provides for solar cooker

manufacturers.

The [SCI Performance Evaluation Process \(PEP\)](#) was created in response to the expressed need from attendees at the 5th SCI World Conference in 2014, where a desire for a single standard for testing solar cookers had high priority. With significant input from the sector during a three-year period, SCI Science Director Alan Bigelow, Ph.D., developed a standard testing process using a common test platform with common instrumentation and post-processing routines. The SCI PEP conforms to the [ASAE S580.1 protocol for Testing and Reporting Solar Cooker Performance](#), which results in a single standard cooking power rating (in Watts) for each solar cooker tested. The PEP is the first of several usability protocols that SCI is developing.

What We Are Reading

A compilation of the latest articles, reports, and updates from the solar thermal sector and related affiliates. All hyperlinks redirect to sites other than solarcookers.org. If you have an article or report that you would like distributed through the SCI Digest, send your submissions to program@solarcookers.org.

“Prices, Products, and Priorities: Meeting Refugees’ Energy Needs in Burkina Faso and Kenya”

From the [Moving Energy Initiative](#) and [Practical Action](#)

Abstract: “This paper examines the issue of energy and displacement in detail, using insights from primary research conducted in the Goudoubo camp in Burkina Faso and the Kakuma I camp in Kenya. It seeks to promote a better understanding of their energy needs, priorities and preferences, and explores how increased access to energy might help to achieve lasting impact in the two camps surveyed.”

“Review on solar cooker systems: Economic and environmental study for different Lebanese scenarios”

Written by A. Herez, M. Ramadan, and M. Khaled, [School of Engineering- Lebanese International University](#)

Abstract: “In this work, a review on solar cookers is presented. This review includes principle and classification, parameters influencing the performance of a solar cooker, and energy and exergy analysis related to solar cooker systems. Moreover, an economic study is performed for different scenarios in Lebanon (home, hotel, restaurant and snack) and for several categories

of solar cookers (solar box cooker, solar panel cooker, parabolic solar cooker and evacuated tube solar cooker with thermal storage).”

[“What’s cooking? Unverified assumptions, overlooking of local needs and pro-solution biases in the solar cooking literature”](#)

Written by L. Iessa, Y.A. De Vries, C.E. Swinkels, M. Smits, & C.A.A. Butijn, [Wageningen University, The Netherlands](#)

Abstract: “This article performs a critical review of the literature on solar cooking, scrutinizing the assumptions and methodological choices that may explain why adoption results of solar cooking projects have been modest at best. To overcome identified issues, practice theory – which analyzes the practice of cooking from the logic of the practice, rather than from an external point of view – is proposed to guide and focus future projects and studies. Furthermore, ethnographical methods can provide new and grounded evidence and allow for a stronger focus on local needs. These approaches can provide a fruitful evidence base to analyze the role of solar cooking in achieving sustainable and long-term development benefits in the Global South.”

[“Communicating Decentralised Renewable Energy to Financiers and Senior Policymakers: A guide for campaigners and non-governmental organizations”](#)

Prepared for [Hivos Global](#) on behalf of [Climate Outreach](#)

Abstract: “Hivos was concerned that sectors show strong interest in Decentralised Renewable Energy (DRE) but had shown a lack of action or ambition. It therefore invited Climate Outreach to “develop a new, bold(er), more provocative narrative and communication strategy that inspires our target audiences to prioritise and take action to increase access to green & inclusive energy.” This report, the first of its kind, was written specifically for people working in the non-governmental development and environment sectors.”

Call for Papers: EuroSun 2018 hosted by ISES



The [12th edition of the International Conference on Solar Energy for Buildings and Industry](#),

EuroSun2018, will be hosted by the International Solar Energy Society (ISES) and by HSR University

of Applied Science Rapperswil. EuroSun2018 provides a forum for scientists, engineers, architects, and representatives from industry and business to present and discuss their latest findings, developments and perspectives.

The EuroSun2018 Scientific Committee [is accepting abstract submissions for the conference](#)—the **final deadline is February 28th**. Submitted abstracts should adhere to the [conference topics](#) and should clearly explain the significance of the published work. The research must be new, of high quality, and contribute significantly to the knowledge in one of the conference topics. Depending on the quality of your abstract, you may be invited to present a poster or oral presentation at the conference, held in Rapperswil, Switzerland from 10-13 September 2018.

Additional information can be found at <http://www.eurosun2018.org/author-center/call-for-papers.html> and at <http://eurosun2018.org/home.html>.

Job Opening: SCI Program Associate

Solar Cookers International [is seeking a Program Associate](#). The Program Associate will support SCI's mission and program activities including partnership and membership development; information gathering and analysis; and communications with internal and external audiences. **Applicants must be eligible for employment in the US.** This is a full-time, salaried position. Compensation commensurate with experience.

For preferred qualifications and information on how to apply, visit <http://solarcookers.org/about/career-and-internship-opportunities/>.

Watch future publications of the SCI Digest for more ways on how you can become part of the global solar cooking movement.

Join the [SCI Association](#) to receive early announcements, access to webinars, and more.

Please submit articles for the *SCI Digest* to info@solarcookers.org.

Solar Cookers International is a 501 (c)(3) non-profit organization leading global advocacy for the solar cooking sector.

To learn more, visit www.solarcookers.org

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