



August 2021 Newsletter
The IEEE Reliability Society
Joint Section Chapter: Boston - New Hampshire - Providence
December 2021

<http://www.ieee.org/bostonrel>

Welcome to the Boston Chapter Newsletter:

Our joint chapter sponsored one on-line meeting, "2021 CHANGES TO S20.20 - WHAT'S NEW AND WHAT'S MISSING" by Ted Dangelmayer, Dangelmayer Associates, in November with 87 participants. While we miss the in-person networking, on-line applications have allowed the IEEE Reliability community to gather virtually with subject matter experts to converse about applications and solutions.

Officer elections will be finalized December 3rd, but additional volunteers are always welcome at the AdCom meetings. Our success can only be achieved with continued support from our members. The core team of volunteers help us keep things going, but there is ample opportunity for new members to participate in the Advisory Committee. Please send an e-mail to attend one of our Advisory Committee meetings or if you are interested in presenting at a monthly meeting. We are always working to fill the calendar with fresh reliability presentations months in advance. Contact Chair Mike Bannan michael.bannan@ieee.org if you are interested in being added to our meeting notifications. You may find URL links to all the meetings on <https://events.vtools.ieee.org>, - search for region 1, section Boston, CH01021.

Meeting Highlights:

November 10, 2021

2021 CHANGES TO S20.20 - WHAT'S NEW AND WHAT'S MISSING

Ted Dangelmayer, Dangelmayer Associates, LLC, ESD consulting.

Attendees: 87 (Zoom meeting)

This was a joint meeting of IEEE Boston Reliability Chapter with the Northeast Chapter of the ESD Association, and IEEE Boston Young Professionals Affinity Group

ANSI/ESD S20.20 industry standard for static control programs undergoes revisions every 7 years, and the 2021 changes are expected to be released later this year or early next year. S20.20 is limited to managing process essential insulators.

The changes expand the use of some test methods, require new tests and possibly new test equipment. Test reports are required as objective evidence to meet third party compliance to standards. He included multiple practical demonstrations during the presentation. One was of an ESD meter with a two-millimeter spot size and a field meter with a four-inch diameter detection, showing the differences of taking measurements on grounded and insulated surfaces when exposed to charged sources. Others showed the ESD event counts under various ungrounded and grounded conditions.

S20.20 is a good starting point to evaluate general ESD control, but each application needs an ESD management program customized for different products, manufacturing environments, and packaging considerations to protect their devices, assemblies, and systems. Annex E of the 2021 document will include items under consideration for future revisions of S20.20.

Advisory Committee (AdCom) Members 2021

Chair: Mike Bannan – BAE Systems - michael.bannan@ieee.org
Vice Chair: Ken Rispoli - Retired ken-rispoli@ieee.org
Secretary: Dan Weidman - MIT Lincoln Laboratory danweidman@ieee.org
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Publicity: Vacant

Members at Large:

Gene Bridgers - Results MA gbridgers@resultsma.com
Giora Kuller - Retired g.k.kuller@ieee.org
Jay Yakura - Analog Devices, Inc. james.yakura@ieee.org

Chapter Seeks Volunteers

The IEEE mission is Advancing Technology of Humanity.

The IEEE Reliability Society mission is Promoting recognition of the reliability profession, developing, and disseminating reliability best practices, and being a resource for collaboration among reliability professions.



As a volunteer organization, our success is directly related to having people like you involved in the planning and execution of our meetings and communication processes.

Please consider joining us.

Email or talk to any of us at the next monthly presentation or attend one of our Advisory Committee meetings to see how the team works together. Your contributions may be as much or as little as you would like. We have a good team of volunteers that help us keep things going, so if you would like to join us, there is ample opportunity to choose how you would like to contribute.

You may find URL links to all the meetings on <https://events.vtools.ieee.org>, - search for region 1, section Boston, CH01021. For updates on upcoming events see the IEEE Spectrum or contact Mike Bannan michael.bannan@ieee.org to be added to our notification list.

Consider Reliability Society Membership

Society Membership includes:

- Society Newsletter (electronic),
- IEEE Transactions on Reliability (online),
- IEEE Reliability Society Conference Digital Library (online), and
- IEEE Reliability Society Resource Center (online).

Readers can contact chapter newsletter editor Mary Jones (maryajones@ieee.org) with any comments, suggestions or if interested in contributing to our next issue.

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