

Minutes of teleconference meeting of the IEEE P1789

Date: 1/29/09

Start time: 12.00 PM

End time: 1:00 PM

Attendees:

Arnold Wilkins, Howard Wolfman, Ian Ashdown, Regan Zane, Montu Doshi, Brad Lehman and Faisal Khan.

1. The agenda and the last meeting minutes were accepted without any objection.
2. Brad Lehman presented the LinkedIn discussion summary, and it will be posted in the IEEE private posting board. Other reference material that is technical in nature will also be posted on the IEEE private posting board (not LinkedIn web site) at <http://grouper.ieee.org/groups/1789/>.
3. A discussion on whether we could state that modulating frequencies above 5.4 kHz for LED lighting is safe took place. It was decided that we would further investigate/discuss this issue before we come to a conclusion. We will focus on factors such as brightness, color and angle of incident. We need to know more about stroboscopic effect.
4. A new discussion "The relationship between health risks and frequency" will be initiated by Arnold Wilkins in LinkedIn. Our goal is to list out all the possible ways LEDs might cause health problems and then assign associated risks according to them. After this, we can begin to consider which topics are of more concern to the PAR 1789 group. This was identified as action item 1.
5. Action item 2: We need to identify the various applications of LED lighting that need special attention. We need to define what is meant by High Brightness LEDs and what applications are important. This includes discussing applications such as in general illumination, tail lights, TVs, monitors and corresponding eye response time. Brad Lehman will facilitate discussion on this topic in LinkedIn.
6. A discussion on concerns for depth of modulation >10% took place. There are possible health risks when the eye cannot detect any low frequency variation at the light output.
7. We need to invite people we know to join the PAR1789 group that we feel are experts in the field that can help the PAR1789 group. They should contact Brad Lehman by email to do this and mention who invited them to join. Especially, we are going to invite people from the Far East, LED manufacturers, and other stakeholders. Members of PAR1789 are asked to mention the activity of our group to others when attending conferences, such as the DOE Transformations in Lighting, IEEE APEC, etc. that are upcoming. Ian Ashdown will contact DOE and Faisal Khan and Brad will prepare material to distribute to APEC 2009.
8. Faisal Khan will ask the members for suggestions regarding future telecon meeting topics. The plan is to have the next few meeting discussion topics prepared in advance. We will have a member or an outside expert lead a discussion on a topic of interest for a major portion of the meeting. Members should email Faisal Khan with suggestions of topic.
9. Meeting was adjourned.