



Hungary/Romania Section Jt. Chapter, EP21/NANO42

Chapter Meeting, 2020.02.13, Timisoara, Romania

Report

Addressees:

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The meeting was held on approving our petition to merge our previously existing EPS Chapter with the NTC. Continental Automotive Timisoara offered to host this “kick-off” meeting; the Agenda is attached below. The main part of the meeting (between 11:30-15:00) was put in the frame of visits around the Continental facilities.

Agenda

9:00-11:00: Morning program, welcome to Continental Automotive Timisoara

- Continental part 1: Visit Continental Engineering Services – Prototype phase & TIS and Antenna laboratories
- HIR part 1: Introduction and debate for Heterogeneous Integration Roadmap: Paul Svasta, Session Chair
- Link: <https://eps.ieee.org/technology/heterogeneous-integration-roadmap/2019-edition.html>
 - Introduction to HIR – video msg. from main drivers
 - Introduction to chapters and previous workshops – zoom to thermal from ECTC: https://eps.ieee.org/images/files/HIR_2019/1.4_HIR_Thermal_TWG.pdf
 - Materials Chapter deep dive with Mrs. Ana Barar – reliability department UPB ETIT: https://eps.ieee.org/images/files/HIR_2019/HIR1_ch15_materials.pdf
 - Analysis of MLCC used in PDN, Mr. Marcel Manofu – Continental: <https://epci.eu/analysis-of-multi-layer-ceramic-capacitors-used-in-power-distribution-networks/>

11:00-11:30: Refreshments (lunch break), gathering, informal discussion

11:30-15:00: **IEEE Hu&Ro EPS&NTC Joint Chapter Kick-off meeting:**

- Link: <https://events.ytuels.ieee.org/m/218104>
- **Welcome speech – Christian von Albrichsfeld, CEO**
- **Opening of the meeting: Attila Bonyár, chapter chair**
- **Welcome speech: Cristian Negrescu, Romania Section chair**
- **Welcome speech: Levente Kovács, Hungary Section chair**
- Report on the EPS&NTC merging, plans for the future: Attila Bonyár, chapter chair
- 13:30-14:00: Coffee break
- Short Technical presentations on nanotechnology applications in electronics:
 - Traian Cucu, MacDermid Alpha Electronics Solutions, USA;
 - Carmen Moldovan, IMT-Bucharest, Romania: “Nanotechnology for sensors and energy harvesting solutions”.
 - Péter Petrik, HAS Centre for Energy Research - Photonics Department, Hungary: “Development of non-destructive material characterization methods”

15:45-17:45: Continental part 2:

- Visit of Reliability and EMC Qualification and Industrialization validation
- Public Private founding opportunities – Vlad Vinatu

17:45-19:30: Visit at the Manufacturing for Interior and Chassis products of Continental Automotive Timisoara

19:30-21:30: Event dinner

Link to event pictures: https://drive.google.com/drive/folders/1-H59IzGYuV_-ybA93iXAOUnDhUUhJnZc

The presentation of Attila Bonyár, Chapter Chair, is attached to the report. The main points of the presentation were the following:

- Our joint EPS/NTC chapter is one of the first NTC chapters in Europe.
- Merging our Chapter with the NTC caused a nearly threefold increase in the number of members (from 31 to 92).
- The chapter chair encouraged the EPS members to join NTC and encouraged the non-IEEE members of the meeting to consider joining IEEE EPS/NTC as well.
- The board of the Chapter decided on establishing a mailing list on IEEE Listserv to facilitate easier communication between the members. The mailing list will be established as "huro-epsntc@listserv.ieee.org."
- The board also decided on establishing a new website for the Chapter. The planned domain name of the new site will be "site.ieee.org/huro-epsntc."
- Five events were recognized and advertised as chapter-related technical events for 2020. Besides established conferences (IEEE-ISSE, IEEE-SIITME, IEEE-ESTC) and a student contest and expo (TIE), the first Hungarian NTC workshop is planned to be organized in June.
- The Chapter Chair encouraged and asked the board members to use vTools not just for reporting but for the advertisement of these chapter-related events as well.
- A main task for the next month is the selection and invitation of Distinguished Lecturers (DLs) for the IEEE-SIITME conference. As a flagship event of the Chapter, the board unanimously decided to invite at least one DL from the field of nanotechnology, to strengthen this new track at the conference. Possible DLs were introduced, the chapter chair was tasked to invite candidates for the event.

Photographs from the event can be found at the following link (and also attached to the report):

https://drive.google.com/open?id=1-H59lzGYuV_-ybA93iXAOUndhUUhJnZc

Authenticators:

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