

TIE 2019 Program

Wednesday, April 10

	<i>“Students” Track</i>	<i>“Technical & Industrial Committees” Track</i>	<i>“Steering Committee” Track</i>
14:00-15:00	Opening of Onsite Registrations for TIE & TIE^{Plus} – Main Hall D Building @ UDJ Galati		
15:00-15:30	Transport with organizer bus to ArcelorMittal Departure from University parking		
15:30-17:30	Industry - academia experience exchange – ArcelorMittal visit		
17:30-18:00	Transport with organizer bus to University Departure from ArcelorMittal parking		
18:00-19:30	TIE contest Online Bootcamp Review and Feedback session Room D02 @ UDJ Galati	TIE^{Plus} Technical meeting Room Y102 @ UDJ Galati	Steering, Industrial and Technical Committees meeting Room Y106 @ UDJ Galati
19:30-21:30	Welcome Dinner – First Club, Danube Stars		

Note: Items in the program marked with **bold** type represent **compulsory activities** for the given track.

Thursday, April 11

	<i>“Students” Track</i>	<i>“Technical & Industrial Committees” Track</i>	<i>“Steering Committee” Track</i>
07:15-07:45	Breakfast		
07:45-08:00	Registration of the participants Main Hall D Building @ UDJ Galati		
08:00-08:15	Welcome speech Room D02 @ UDJ Galati		
08:15-09:45	TIE^{Plus} CONTEST - 1st part Room D02 @ UDJ Galati		
09:45-10:00	Coffee Break Main Hall D Building @ UDJ Galati		
10:00-12:00	TIE^{Plus} CONTEST 2nd part Room D02 @ UDJ Galati		
12:00-13:00	TIE^{Plus} Networking and Show-room Main Hall D Building @ UDJ Galati	TIE^{Plus} Technical meeting Room Y102 @ UDJ Galati	TIE^{Plus} Networking and Show-room visit
13:00-14:30	Lunch – Student campus		
14:30-15:00	TIE^{Plus} – AWARDING CEREMONY Room D02 @ UDJ Galati		
15:00-17:30	Technical Workshop for Electro-Thermal Systems Management Room D02 @ UDJ Galati		
17:30-18:30	City Break - “Galați & Danube sighting”		
18:30-19:30	Dinner – Panoramic restaurant, Centrum Hotel		
20:00-21:30	TIE contest technical preparation Europa Room @ Danube Stars	Steering committee meeting Venus Room @ Danube Stars	

Friday, April 12

	<i>“Students” Track</i>	<i>“Technical & Industrial Committees” Track</i>	<i>“Steering Committee” Track</i>
06:30-07:15	Breakfast		
07:20-7:45	Transport to TIE contest		
07:45-08:15	TIE^e contest preliminary activities		
08:15-12:15	TIE^e CONTEST Europa Room @Danube Stars	Technical session Venus Room @Danube Stars	WORKSHOP “Strategic partnership for education” Aula Magna, AS Building @ UDJ Galati
12:30-13:30	Lunch – Student campus		
13:30-17:30	Assessment of the projects; litigations Europa Room @Danube Stars		WORKSHOP (includes assessment participation) Venus Room @Danube Stars
17:30-18:30		TIE^e 2019 Result Evaluation Venus Room @Danube Stars	
18:30-20:30	TIE^e - AWARDING CEREMONY – Europa Room @Danube Stars		
20:30-22:30	Gala dinner TIE 2019 - First Club, Danube Stars		

Strategic Partnership for Education

April 12, 2019, 09:00-13:00

Aula Magna, AS Building

09:00- 09:30 Registration of participants

09:30-09:50 **Opening of workshop**

Aurelia Florea, HR Manager Miele Tehnica, Brasov
Paul Svasta, Prof. Ph.D. University Politehnica of Bucharest, Association for Promoting Electronic Technology APTE

Gelu Gurguiatu, Assoc.Prof. Ph.D., Dean of Faculty of Automation, Computer sciences, Electronics and Electrical engineering, Dunărea de Jos University of Galați

09:50-10:05 **Brief summary of group actions**

Aurelia Florea, HR Manager Miele Tehnica, Brasov

10:10-11:00 **Session I: Relationship: Educational - Industrial environment - Concrete actions**

Chair: Aurelia Florea, HR Manager, Miele Tehnica, Brasov

Co-chair: Rodica Constantinescu, Prodean Faculty of Electronics, Telecommunications and Information Technology

- **“AR teaching options for System Understanding - For those who need to see it to better understand it”**, Razvan Boldis, founder “indexAR” – mobile AR Browser
- **Common projects**, Liviu Bogdan, Head of Training Center, ArcelorMittal Galați
- **“Robotor, Infotron” Pre-university education - Good practice sharing**, Aurelia Florea, HR Manager, Miele Tehnica, Brasov

- **“IEEE student membership – an important factor towards promoting engineering education”**, Eng. Victor Andrei Iriciuc, MS.
Chapter Chair, IEEE Politehnica University of Bucharest Electronics Packaging Society Student Branch Chapter

11:00-11:15 Coffee Break

11:15-12:45 Session II: Debate on a curriculum integrated into engineering

Chair: Prof. Dan Pitica, Ph.D., Pro-rector Technical University of Cluj-Napoca

Co-chair: Cosmin Moisa, Continental Automotive Romania

“Holistic Education – Educatie Integrata”, **Fabian Henze, Head of SWD Miele Brasov**

12:45-13:00 Q&A session, summary and further actions

April 10, 2019

TIE's First Online Edition Boot Camp:
“Layout Engineering: Sharpen Your Skills, Fast”
- Review and Feedback session -

14:00-15:00 **Registration**
Main Hall D Building @ UDJ Galati

18:00-19:30 **Session Chairs:**
Cristian GORDAN, Continental Automotive, Timișoara
Mihai BURGHEAUA, PCB Designer, Osram-Continental, Iași

Trainers:

Aurelian BOTĂU, Thermal Designer, Continental Automotive, Timișoara
Marcel MANOFU, HSD Designer, Continental Automotive, Timișoara
Daniel GHEORGHE, Paul ONEȚIU, Layout Designers, Continental Automotive, Timișoara
Daniel GHEORGHE, Layout Designer, Continental Automotive, Timișoara
Gheorghe AMARIEI, EMC for Renault, București
Andrei FARAGO, Mech. Designer, VITESCO, Continental, Timișoara

Topics under discussion with TIE trainees:

- Introduction & Materials and Technologies
- Layout & flow
- Thermal
- Mechanical
- Signal and Power Integrity
- Electromagnetic Compatibility

Technical Workshop

April 11, 2019

"Electro-Thermal Systems Management"

- 07:45-15:00** *Registration*
- 15:00-17:30** *Chairs:*
Prof. Dan PITICĂ, Ph.D., Technical University of Cluj Napoca, Romania
Cosmin MOISĂ, Continental Automotive, Timișoara
- 15:00-15:45** **“ANSYS Solution for electro-thermal simulation for Chip/Package/System applications”**
Camelia STOICA, EBU Technical Services, INAS SA
Lucian BODIN, MBU Technical Services, INAS SA |
- 15:45-15:50** **Q&A**
- 15:50-16:25** **“Signal Integrity Simulation vs. Measurement in electronic design flow”**
Marcel MANOFU, Signal & Power Integrity Engineer,
Instrumentation & Driver HMI, Continental Automotive
Romania
- 16:25-16:30** **Q&A**
- 16:30-17:15** **Fundamentals of Thermal Management for real Investigation of Electronic Modules & Systems based on Thermovision/Thermography**
Prof. Norocel Codreanu, Ph. D., Technical manager of the TIE contest
- 17:15-17:20** **Q&A**
- 17:20-17:30** **Further steps: Professional Development Courses towards SIITME 2019, Cluj Napoca**

TIE^e contest technical preparation
Europa Room @Danube Stars

April 11, 2019
20:00-21:30

Session Chairs:

Prof. Norocel CODREANU, Ph.D., University Politehnica of Bucharest

Lecturer Mihaela ANDREI, Ph.D., Dunărea de Jos University of Galați

- Introduction / Technical preparations for the final
- TIE 2018 subject solution - Alexandru Nicolae GOGLEA, TIE 2018 Winner
- Set-up / checking of contest computers & CAD design tools

TIE 2019
DESIGN OF ELECTRONIC
MODULES AND ASSEMBLIES
Student Professional Contest

Awarding Ceremony

April 12, 2019 - Europa Room @Danube Stars

- 18:30-18:45** **Registration**
- 18:45-18:40** **Opening Ceremony Speeches:**
Prof. Viorel NICOLAU, Ph.D., University Dunărea de Jos of Galați, TIE 2019 Chair
Prof. Dr.h.c.mult.Paul SVASTA, Ph.D., University Politehnica of Bucharest, TIE General Chair
- 19:15-19:25** **State of the art TIE 2019**
Prof. Norocel CODREANU, Ph.D., University Politehnica of Bucharest, TIE Technical Committee Chair
- 19:25-20:00** **TIE 2019 Awarding**
Prof. Dr.h.c.mult.Paul SVASTA, Ph.D., University Politehnica of Bucharest, TIE General Chair
Prof. Dan PITICĂ, Ph.D., Technical University of Cluj Napoca, TIE General Academic Co-Chair
- 20:00-20:20** **PCB Designer Certification recommended by TIE Industrial Committee**
Dipl. Eng. Cosmin MOISĂ, Continental Automotive Timișoara, TIE General Industrial Co-Chair
- 20:20-20:30** **Looking Forward TIE 2020**
Prof. Ciprian IONESCU, Ph.D., University Politehnica of Bucharest, TIE 2020 Chair

TIE 2019 Gala Dinner (First Club, Danube Stars)