

# Invitation

## Functional Electronics for Green and Circular Economy

Workshop with projects funded under EU Call HORIZON-CL4-2021-DIGITAL-EMERGING-01-31

Hosted by  in cooperation with  EPoSS  
European Association on Smart Systems Integration

Venue: VDMA / OE-A, Frankfurt, Germany

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OE-A and [EPoSS](#) invite you to a workshop dedicated to functional electronics, as a follow up to the European call HORIZON-CL4-2021-DIGITAL-EMERGING-01-31 on **Functional electronics for green and circular economy**. This call originated from a vision paper on circular electronics<sup>1</sup> produced by the 5E CSA project, with major input from OE-A and EPoSS as well as other partners. This event aims to bring together the eight projects granted under this call along with other stakeholders from the European electronics community to share information on respective activities around the role and impact of functional

electronics on the transition towards a circular economy. We will provide the platform for an initial information exchange between all projects, with the ambition to establish and maintain links between the projects through future events of this kind, welcoming also any other projects on the same topic.

The workshop is open primarily to **stakeholders from flexible, & printed electronics and electronic smart systems**. Please join us for an interactive session to initiate collaboration on a breaking topic and to set the ground for future joint activities and synergies!

This workshop is organized by **OE-A**, Organic and Printed Electronics Association (a working group within VDMA) in cooperation with **EPoSS**, the European Technology Platform on Smart Systems.

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<sup>1</sup> [https://5e-project.eu/wp-content/uploads/2020/10/Vision-Paper\\_Functional-electronics-for-a-circular-economy.pdf](https://5e-project.eu/wp-content/uploads/2020/10/Vision-Paper_Functional-electronics-for-a-circular-economy.pdf)

# Information

## Functional Electronics for Green and Circular Economy

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Hosted by  in cooperation with 

### Venue

VDMA e.V. / OE-A  
Lyoner Straße 16  
60528 Frankfurt, Germany

**Networking Dinner December 06, 2022**  
**19:00 – 22:00 h (CET)**

[Ebbelwoi Unser](#)

Abtsgäßchen 8 /  
Entry via Kleine Brückenstraße 15  
60594 Frankfurt am Main

**Contact on December 7, 2022**

+ 49 69 / 6603-1881  
(Daria Knoth, OE-A)

### Registration

via personal invitation only. Please follow your personal registration link received by e-mail from OE-A (sender: Daria Knoth).

**Registration Deadline: Dec 02, 2022**

Please contact [daria.knoth@oe-a.org](mailto:daria.knoth@oe-a.org) for more information or help.

### ACCOMODATION

For hotel recommendations and VDMA special rates please see the list "Hotels in Frankfurt – Niederrad" attached.

### TRAVEL INFORMATION

#### Travelling by plane / by train via Frankfurt (Main) Flughafen Fernbahnhof

Frankfurt Airport is connected to Frankfurt (Main)-Niederrad most easily from Frankfurt (Main) Flughafen Regionalbahnhof.

- S-Bahn S8/S9 (direction Offenbach Ost / Hanau Hbf)
- Exit at Frankfurt(Main)-Niederrad; 2 stops
- Walking distance from the train station Frankfurt(Main)-Niederrad to VDMA: 0,9 km

Please note, that there are two train stations at the Airport Frankfurt: Frankfurt (Main) Flughafen Fernbahnhof and Frankfurt (Main) Flughafen Regionalbahnhof. If you are travelling by ICE/IC you will arrive at Frankfurt (Main) Flughafen Fernbahnhof. For connections to Frankfurt-Niederrad please go to the Regionalbahnhof (walking distance: 0,7 km).

#### Travelling by train via Frankfurt (Main) Hauptbahnhof

Frankfurt (Main) Hauptbahnhof to Frankfurt (Main) Niederrad:

- S-Bahn S8/S9 (direction Wiesbaden Hbf) or S-Bahn S7 (direction: Riedstadt-Goddelau)
- Exit at Frankfurt(Main)-Niederrad; 1 stop
- Walking distance from the train station Frankfurt(Main)-Niederrad to VDMA: 0,9 km

# Agenda

## Functional Electronics for Green and Circular Economy

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European Association on Smart Systems Integration

Venue: VDMA / OE-A, Frankfurt, Germany

**Wednesday, December 07, 2022, 09:30 – 17:15**

- |                      |  |
|----------------------|--|
| <b>09:00 – 09:30</b> | <b>Registration &amp; Coffee</b>   |
| <b>09:30 – 09:45</b> | <b>Introduction &amp; Welcome</b><br>Isabella Treser, Project Manager, OE-A<br>Dr. Jérôme Gavillet, OE-A Board member, CEA, France<br>Dr. Erika Györfvay, Chairman EPoSS WG Green ECS  |
| <b>09:45 – 10:00</b> | <b>Eco-designed Flexible and Printed Electronics – Europe at the forefront</b><br>Dr. Henri Rajbenbach, DG CONNECT AI & Digital Industry, Microelectronics and Photonics Industry, European Commission, BE   |
| <b>10:00 – 11:30</b> | <b>Pitches of the 8 funded projects of the EU Call “Functional electronics for green and circular economy”</b> (each 15 min + 5 min Q&A), part I <ul style="list-style-type: none"><li>• Building Active MicroLED displays By Additive Manufacturing<br/><b>BAMBAM</b><br/>Dr. Emmanuel Fuchs, Aledia, France</li><li>• Circular Economy Applied to Electronic Printed Circuit Boards Based on Paper<br/><b>CircEI-Paper</b><br/>Dr. Daniela Collin, Fraunhofer Institute for Silicate Research (ISC), Germany</li><li>• How to minimize the ecological footprint for functional electronics?<br/><b>ECOTRON</b><br/>Corné Rentrop, Holst Centre, The Netherlands</li><li>• Exploring wooden materials in hybrid printed electronics: a holistic approach towards functional electronics with net zero carbon emissions<br/><b>HyPELignum</b><br/>Dr. Beni Valerio, Rise, Sweden</li></ul> |
| <b>11:30 – 12:00</b> | <b>Coffee Break</b>  |

A working group within

- 12:00 – 13:20**      **Pitches of the 8 funded projects of the EU Call Functional Electronics for Green and Circular Economy** (each 15 min + 5 min Q&A), part II
- Innovative Processes & Methodologies for Next Generation Sustainable Functional Electronic Components and Systems  
**SusFE**  
Dr. Zulfiqur Ali, Teesside University, UK
  - Sustainable self-charging power systems developed by INKjet printing  
**SUINK**  
Estibaliz Gómez Herrero, Tekniker, Spain
  - Sustainable materials and process for green printed electronics  
**Sustain-a-Print**  
Zachary J. Davis, Danish Technology Institute, Denmark
  - Unveiling Innovation Potential of Circular Approaches in Automotive Electronics and Beyond  
**UNICORN**  
Nicolas Gouze, VDI/VDE Innovation + Technik GmbH, Germany
- 13:20 – 13:30**      **Short introductions to Workshop Session**  
Nicolas Gouze
- 13:30 – 14:45**      **Lunch Break**
- 14:45**              **Start of the Workshop Session in plenary room**
- 14:45 – 16:00**      **Parallel Workshop Sessions on Circular Pathways “Communicate, connect, co-create – Synergies between EU projects”** (room 10 and room 8)
- 16:00 – 16:15**      **Coffee Break**
- 16:15 – 16:45**      **Summarize, prioritize, and commit to collaboration opportunities/ Topics of common interest between projects and OE-A/EPoSS Working Groups**  
Petra Weiler, VDI/VDE Innovation + Technik GmbH, Germany
- 16:45 – 17:00**      **Debriefing, workshop conclusion and next steps**  
Dr. Jérôme Gavillet, OE-A Board member, CEA, France  
Dr. Erika Györvary Chairman EPoSS WG Green ECS



Innere  
Verwaltung

# Hotels in Frankfurt - Niederrad

## Hotel special rates 2022

Please note that you can book up-to-date rates only by using the HRS Login (see below)!

Hotel	Single Room *	Double Room *	Breakfast *	Code
<b>DOUBLETREE by Hilton Frankfurt</b> Herriotstraße 2 60528 Frankfurt Telefon (069) 2474560 Internet: <a href="http://www.hiltonhotels/Deutschland/doubletree-frankfurt-niederrad">www.hiltonhotels/Deutschland/doubletree-frankfurt-niederrad</a>  Distance to VDMA: 0,3 km	DoubleTree Guest Room € 119,00  DoubleTree Deluxe Room € 129,00	On request	Included	TBC  Via Hotel Website: <a href="#">BOOK NOW</a>
<b>B&amp;B Hotel Frankfurt Niederrad</b> Colmarer Straße 3 60528 Frankfurt am Main Telefon (069) 6 78 65 39-0 Telefax (069) 6 78 65 39-55 E-Mail <a href="mailto:frankfurt-niederrad@hotelbb.com">frankfurt-niederrad@hotelbb.com</a> Internet <a href="http://www.hotelbb.de">www.hotelbb.de</a>  Distance to VDMA: 0,5 km	Daily updated rates on hotel homepage	Daily updated rates on hotel homepage	Included	Via Hotel Website: <a href="https://www.hotelbb.de/de/frankfurt-niederrad">https://www.hotelbb.de/de/frankfurt-niederrad</a>
<b>NH Frankfurt Niederrad</b> Lyoner Straße 5 60528 Frankfurt am Main Telefon (030) 22 38 02 33 E-Mail <a href="mailto:reservierungen@nh-hotels.com">reservierungen@nh-hotels.com</a> Internet <a href="http://www.nh-hotels.de">www.nh-hotels.de</a>  Distance to VDMA: 0,5 km	€ 90,00	€ 105,90	Included	Client's Number: 2003371313  Or via Hotel Website: <a href="https://www.nh-hotels.com/b2b-ccg/c70d107e8582ac883589802c5e4b6322">https://www.nh-hotels.com/b2b-ccg/c70d107e8582ac883589802c5e4b6322</a>
<b>Crowne Plaza Frankfurt Congress Hotel</b> Lyoner Straße 44-48 60528 Frankfurt am Main Telefon (069) 66 33 0 Telefax (069) 66 33 668 E-Mail <a href="mailto:reservation@cp-frankfurt.com">reservation@cp-frankfurt.com</a> Internet <a href="http://www.novum-hotels.com/plaza-frankfurt-congress-hotel">www.novum-hotels.com/plaza-frankfurt-congress-hotel</a>  Distance to VDMA: 0,7 km	Standard € 109,00  Premium City View Surcharge € 10,00	Surcharge for double room 10 € per room/night	Included	VDMA
<b>Essential by Dorint Frankfurt -Niederrad</b> Hahnstraße 9 60528 Frankfurt Telefon (069) 6 63 06-0 Telefax (069) 6 63 06-6 00 Mail: <a href="mailto:info.frankfurt-niederrad@dorint.com">info.frankfurt-niederrad@dorint.com</a> Internet <a href="http://www.dorint.com/Frankfurt-Niederrad">www.dorint.com/Frankfurt-Niederrad</a>  Distance to VDMA: 0,8 km	Standard € 110,00 (rates valid until 31st March 2023)	Standard € 125,00 (rates valid until 31st March 2023)	Included	Neighbourhood Rate via: <a href="mailto:Reservierung.frankfurt-niederrad@dorint.com">Reservierung.frankfurt-niederrad@dorint.com</a> Phone: +49 69 66 30 65 00

Hotel	Single Room *	Double Room *	Breakfast *	Code
<b>PARAGON Apartments</b> Schwarzwaldstraße 102-104 60528 Frankfurt am Main Telefon (069) 67 72 53 23 Telefax (069) 67 72 53 38 E-Mail <a href="mailto:paragon@ebert-gruppe.de">paragon@ebert-gruppe.de</a> Internet <a href="http://www.paragon-apartments.de">www.paragon-apartments.de</a>  Distance to VDMA: 3,1 km	Paragon is aligned with long-term stays.			No special conditions
<b>Maritim Hotel Frankfurt</b> Theodor-Heuss-Allee 3 60486 Frankfurt am Main  Telefon (06151) 90 57 60 E-Mail <a href="mailto:info.res@maritim.de">info.res@maritim.de</a> Internet <a href="http://www.maritim.de">www.maritim.de</a>  Distance to VDMA: 8,7 km	12% discount on daily updates rates	12% discount on daily updates rates	Excluded	VDMA99
<b>Motel One Frankfurt Airport</b> Colmarer Straße 2 60528 Frankfurt Telefon (069) 660 53 60 Email <a href="mailto:frankfurt-airport@motel-one.com">frankfurt-airport@motel-one.com</a> Distance to VDMA: 0,5 km	€ 69,00	€ 84,00	Excluded € 13,50	Via Hotel Website: <a href="http://www.motel-one.com">www.motel-one.com</a>

**Subject to change  
Special Fairrates**

The rates are valid from 01. January 2022 until 31. December 2022, but not during exhibitions.

If you make a reservation, please mention the special VDMA rates.

**Contact:**

**Daria Knoth**

**P: +49 69 6603-1881**

**E: [daria.knoth@oe-a.org](mailto:daria.knoth@oe-a.org)**

**Corporate customer entrance for hotel bookings for members ONLY.**

You get directly access to the company rates and discounts of selected hotels (VDMA contract hotels are marked with the VDMA logo).

Your additional customer number:

**1009528001**

Your booking link (german):

<http://www.hrs.de/?clientId=ZGVfX3ZkbWFldg,2>

Your booking link (english):

<http://www.hrs.com/?clientId=ZW5fX3ZkbWFldg,2>

Your booking link (french):

<http://www.hrs.com/?clientId=ZnJfX3ZkbWFldg,2>