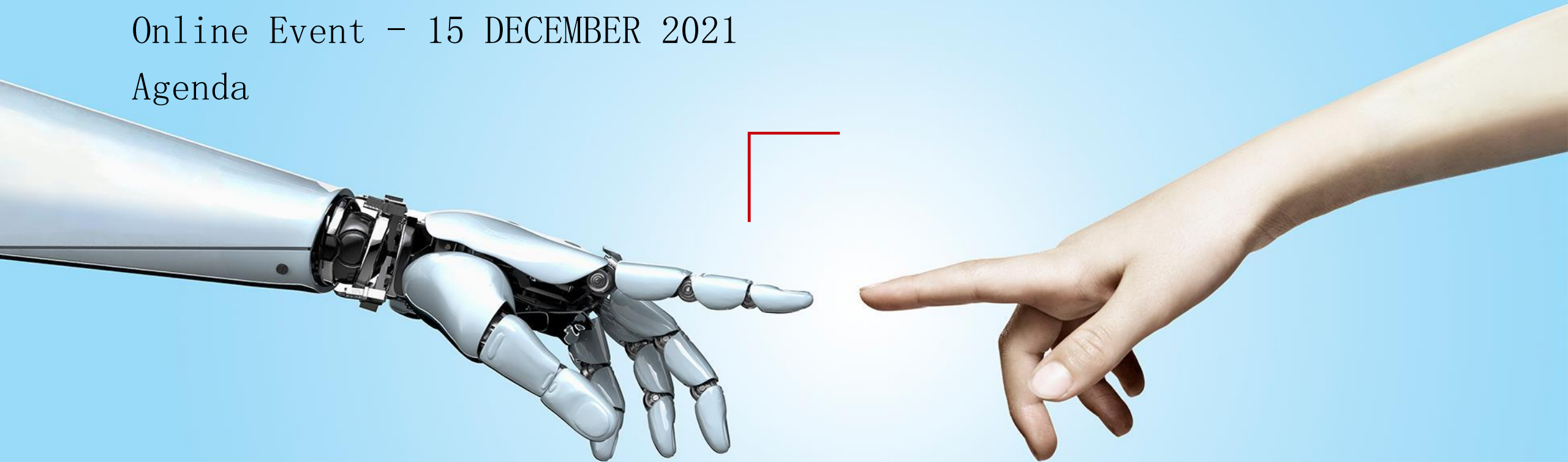


BERC PH. D. STUDENT CONTEST 2021

Online Event - 15 DECEMBER 2021

Agenda





AGENDA 15 DECEMBER 2021

BERC PH.D. STUDENT CONTEST ONLINE EVENT

9:20	WebMeeting open for login		
WELCOME			
9:40	Mr. Xiang Zishang	Welcome words by Mr. Xiang Zishang – Huawei Europe Research Institute Vice President	
INTRODUCTION			
9:50	Dr. Marc Borremans	Introduction by Dr. Marc Borremans, Technical Director Huawei Belgium RFIC team	
TECHNICAL PRESENTATIONS			
10:00 - 10:20	C. de Oliveira Arthur	A MEMS Coriolis Mass Flow Sensor with 300µg/h/VHz Resolution and ±0.8mg/h Zero Stability	TU Delft
10:20 - 10:40	Zanen Joep	A Predistortion-less Digital Transmitter with –50 dB ACLR Exploiting Output Conductance Linearization	U Twente
10:40 - 11:00	Beikmirza Mohammadreza	A Wideband Four-Way Doherty Bits-In RF-Out CMOS Transmitter	TU Delft
11:00 - 11:20	Rooijers Thijs	A Fill-In Technique for Robust IMD Suppression in Chopper Amplifiers	TU Delft
11:20 - 11:40	Qunaj Valdrin	A mm-Wave Doherty-Like LMBA for High-Speed Wireless Communication in 28nm CMOS	KU Leuven
11:40 - 12:00	Purushothaman Vijaya Kumar	Low-Power High-Linearity Mixer-First Receiver Using Implicit Capacitive Stacking with 3× Voltage Gain	U Twente
12:00 - 13:00 LUNCH BREAK			
13:00 – 13:20	Riem Robbe	A Low-Noise Instrumentation Amplifier With Built-in Anti-Aliasing for Hall Sensors	U Gent
13:20 – 13:40	Balamurali Sriram	A 55-63 GHz fundamental Quad-Core VCO with NMOS-only stacked oscillator in 28 nm CMOS	imec, VU Brussels
13:40 – 14:00	Karmakar Shoubhik	A 28W -108.9dB-102.2dB THDTHD+N Hybrid ΔΣ PWM Class-D Audio Amplifier with 91% Peak Efficiency and Reduced EMI Emission	TU Delft
14:00 – 14:20	Lefebvre Martin	A 0.2-to-3.6TOPS/W Programmable Convolutional Imager SoC with In-Sensor Current-Domain Ternary-Weighted MAC Operations for Feature Extraction and Region-of-Interest Detection	UC Louvain
AWARDS CEREMONY			
14:20	Mr. Xiang Zishang	Announcement of contest winners and awards by Mr. Xiang Zishang, ERI Vice President	
14:35	Dr. Marc Borremans	Closing words by Dr. Marc Borremans, Technical Director Huawei Belgium RFIC team	

Conferencing Guidelines (for external speakers)

BEFORE THE EVENT

Get ready

- Finalize your presentation and send to us (for backup)
- Find a quiet, comfortable place with stable connection

Test the conference link

Option 1 - via browser (Chrome and Firefox work best)

- Go to link: <https://welink.zhumu.com/wc/join/100779832>
- Complete your name and Captcha
- Click “join audio by computer”
- Allow your mic and camera if requested via pop up message

Option 2 - via zhumu app

- Go to link: <https://welink.zhumu.com/j/100779832>
- Download and install zhumu software when prompted
- Test the conference

DURING THE EVENT

Listening mode

- Make sure your presentation is ready
- Mute your mic and enjoy the talk
- Ask questions via chat or at the end of the talk
- Join breakout at the end (optional)

Presenting mode

- Unmute your mic
- Press share screen (bottom of the screen in the middle)
- Select your presentation, make sure you are in full screen
- Start your talk
- Answer questions (from audience or via moderator)
- Join breakout at the end (required for your session)

Breakouts

- Topic continues for about 15 minutes at the end of the talk in breakout room
- Everyone will be invited to join the breakout after each session
- If interested, click “join” – you can return later
- If not interested, click “later” – you can join later via breakout button
- Everyone returns automatically to main room at the end