AGENDA

Conference
Renewable energy sources in district heating and cooling systems

50th International HVAC&R congress and exhibition
Thursday and Friday, December 5 and 6, 2019
Sava Center, hall 1

REGISTRATION LINK

Session 8 – District heating and cooling (December 5)
Sponsored by the European Bank for Reconstruction and Development (EBRD) – the Renewable District Energy in the Western Balkans Programme (the ReDEWeB Programme) and the Federal Ministry of Finance of Austria. It is organized in partnership with the International Renewable Energy Agency (IRENA).

CHAIRMEN: Petar VASILJEVIĆ, Bojan BOGDANOVIĆ

9:00-9:30 INTRODUCTION SPEECHES

Welcome:
- Federal Ministry of Finance of Austria
- EBRD and ReDEWeB Programme
- Energy Community Secretariat
- UN Environment

9:30-10:40 PANEL 1 – Application of renewable sources in district heating

Panel participants:
- Prof. Miloš BANJAC, Assistant Minister, Ministry of Mining and Energy, Serbia
- Paul VOSS, Director, Euroheat & Power, Belgium
Dejan STOJANOVIĆ, Chair of the Governing Board, Serbian Association of Power Plants
Dušan MACURA, Manager of Production and Distribution, Public utility company for district heating JKP Novosadska toplana, Novi Sad, Serbia
Dejan JOVIŠEVIĆ, Member of the Governing Board, Eko toplane, Banja Luka, BiH

10:40-11:50  PANEL 2 – Beginning and ending of heating season – Legal regulation and experience from surrounding regions

Panel participants:
- Prof. Alojz POREDOŠ, President, Slovenia Energy Association
- Zoran PREDIĆ, State Secretary, Ministry of Mining and Energy, Serbia
- Goran ALEKSIĆ, Chair of the Assembly, Serbian Association of Power Plants, Serbia
- Nina JANDRIĆ, Secretary for Energy, City of Belgrade, Serbia

11:50-13:30  PAPERS PRESENTATIONS

1. Large solar thermal projects in Bor and Pančevo – green energy at lower costs than fossil fuels
   Patrick RITER, Hrvoje Milošević, Solid GmbH, Austria

2. Implementation of biomass into the district heating system in Serbia
   Petar VASILJEVIĆ, Serbia

3. Use of geothermal energy in district heating system – case study of a project in Bogatić, Serbia
   Prof. Dejan MILENIĆ, Faculty of Mining and Geology, Belgrade, Serbia

4. Experience with smart operation of ULTDH Domestic hot water Booster Substation for multifamily building
   Jan Eric THORSEN, Oddgeir GUDMUNDSSON, Marek BRAND, Danfoss

13:30-14:00  COFFEE BREAK AND REFRESHMENTS

Session 9 – IRENA - Capacity Building Renewable Energy Applications for District Heating and Cooling in Cities (December 5-6, 2019)

This session is sponsored by the International Renewable Energy Agency (IRENA). It is organized in partnership with the European Bank for Reconstruction and Development (EBRD) - the Renewable District Energy in the Western Balkans Programme (the ReDEWeB Programme).
14:00-14:30 WELCOMING REMARKS

Panel participants:
- Prof. Miloš BANJAC, Assistant Minister, Ministry of Mining and Energy, Serbia
- Luca ANGELINO, International Renewable Energy Agency
- Bojan BOGDANOVIC, European Bank for Reconstruction and Development

14:30-16:00 Session I: Strategic heating and cooling planning

- Developing an effective strategic heating/cooling plan: What are the key success factors? Aalborg University
- How can geothermal resource assessment and mapping influence decision-making for district heating: Experience from Hungary and the Danube region
  Annamária NÁDOR, Mining and Geological Survey of Hungary
- Q&A

16:00-16:30 COFFEE BREAK

16:30-17:00 Session II: Improving the enabling frameworks for the integration of renewable and excess heat sources in district heating and cooling

- Lessons learned and perspectives from the industry
  Paul VOSS, Euroheat & Power

17:00-19:00 Session III: From conventional to efficient and renewable-based district heating

- Technical challenges and solutions for the integration of low-grade heat sources into existing networks and buildings
  Aalborg University
- Case study from Belgrade
  Lily RIAHI, UN Environment (TBC)
- Q&A

END OF DAY ONE

DECEMBER 6, 2019
09:15-11:30 Session IV: Enabling Framework Conditions, Financing and Business Models

- Ownership structure, financing, and regulation: Experience and innovative approaches
  Aalborg University / IRENA
- Challenges and solutions for financing renewable energy and efficient district energy systems
  Greg GEBRAIL, European Bank for Reconstruction and Development
- Perspectives from the private sector
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<th>Time</th>
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<td>11:30-12:00</td>
<td><strong>COFFEE BREAK</strong></td>
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<td>12:00-12:30</td>
<td><strong>Renewable energy market analysis for Southeastern Europe</strong></td>
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<td>Emanuele Bianco, International Renewable Energy Agency (TBD)</td>
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<td>12:30-13:30</td>
<td><strong>Session V: Technical challenges and solutions for the integration of</strong></td>
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<td>renewable heat sources into new and existing district heating and cooling networks</td>
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<td>- Technical challenges and solutions for integrating low-temperature geothermal</td>
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<td>energy resources: lessons learned from France and the Pannonian Basin</td>
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<td>Miklos ANTICS, President, European Geothermal Energy Council</td>
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<td>- Technical challenges and innovative solutions for Integrating solar thermal into</td>
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<td>Representative from SOLID (TBD)</td>
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<td>- Perspectives for district cooling, Representative from Danfoss (TBD)</td>
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<td>13:30-13:45</td>
<td><strong>CLOSING REMARKS: IRENA/EBRD</strong></td>
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