<table>
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<th>Locais Auditorio:</th>
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<th>horário</th>
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<tr>
<td>FAU/ITEC/UFPA</td>
<td>13 /novembro, terça-feira</td>
<td>15:00h–18:00h</td>
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<td>14 /novembro, quarta-feira</td>
<td>10:00h–12:00h</td>
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</tbody>
</table>
Pesquisadora Convidada:
Dra. Enga. Doreen Kalz, Fraunhofer ISE, da Alemanha

***OBS:*** O cóloquio será desenvolvido preferencialmente em inglês

Tópicos:

13/11, 15:00h–18:00h: Reunião com CEA MAZON/PCT, LADEC/FAU e ICEN

- Introduction of CEA MAZON/PCT, LADEC/FAU and ICEN: fields and interests of research, research facilities, R&D projects | **Irving**
- Introduction of Fraunhofer ISE: fields and interests of research, research facilities, R&D projects | **Doreen**
- **Open discussion:** identification of common R&D topics, possible cooperations | **all**
- Visit of laboratories, research facilities
  - **Dinner**

14/11, 10:00h–12:00h: Lecture

- **Brief overview about Fraunhofer ISE**
- **Presentation:** Technologies for Smart and Sustainable Buildings and Communities
- **Open discussion**

14/11, 15:00h–18:00h: Workshop on Smart and Sustainable Buildings and Communities

- Parintins opportunity (diesel energy generation power plant for about 150000 inhabitants)
- Iratapuru (small village with diesel generator)
- Tiriós, Indian and military settlement at the extreme north (study case for photovoltaics, in substitution for diesel generator)
- Energy efficient supermarkets
- Energy optimized retrofit of public building/office building
- New construction of energy efficient and sustainable office building (topics: cooling, leaking, air tide strategies, insulation, and machinery efficiency)
- Design, test and implementation of an innovative cooling system based on solar energy
- Living lab: test facilities for technologies for energy efficient buildings
- Other