

## **ESPI International Real Estate Conference, Paris, November 2024**

### **Call for Papers: Special Session on "PropTech: Shaping the Future of Built Environments"**

In the era of rapid technological advancement and environmental consciousness, PropTech (Property Technology) stands at the forefront of transforming the built environment. The ESPI International Real Estate Conference ESPI IREC invites researchers to contribute to our special session titled "PropTech: Shaping the Future of Built Environments." This session aims to explore the multifaceted impact of PropTech on the built environment in terms of sustainability, technology adoption, and adaptability at various scales.

1. Sustainability and Technology in the Built Environment:
  - How PropTech is contributing to the creation of environmentally sustainable and energy-efficient buildings.
  - The integration of IoT, AI, and big data in optimizing building performance and resource management.
  - Case studies demonstrating successful implementation of sustainable technologies in urban and rural developments.
  - Taxonomy and classification proposals of digital applications;
  - Analyses of relevant technologies (e.g. CAFM/IWMS, BIM, mobile computing, cloud computing, IT integration, IoT, VR/AR, big data and analytics, AI (including ML), digital workplace, simulation technologies, etc.);
  - Methodologies for further research.
2. The PropTech Ecosystem and Startup Wave:
  - Analysis of the emerging PropTech startup landscape: trends, challenges, and future prospects.
  - The role of venture capital and investment patterns in shaping the PropTech startup ecosystem.
  - Discussion on how startups are disrupting traditional real estate practices through innovation.
3. Associations and Networking in PropTech:
  - The formation and influence of PropTech associations in different regions and their role in the industry's growth.
  - Collaborative efforts between PropTech companies, traditional real estate firms, and governmental bodies.
  - The impact of these associations in standard setting, policy advocacy, and fostering a culture of innovation.
4. Government, Policy, and Legislative Evolution:
  - Examination of how governments worldwide are responding to the rise of PropTech.
  - Analysis of policy initiatives and legislative changes aimed at facilitating PropTech adoption.
  - Case studies of successful government and PropTech industry collaborations.
5. Finance, Real Estate, and Technology Convergence:
  - Exploration of how financial technologies are merging with PropTech, reshaping real estate investment and funding.
  - The role of PropTech in enhancing real estate market transparency and efficiency.
  - Examination of the changing landscape of real estate brokerage, management, and transactions due to technological advancements.

**Submission Guidelines:**

- Abstracts should be 300-500 words, clearly articulating the focus of the proposed paper and its relevance to one or more of the session themes.
- Include a brief author biography and institutional affiliation.
- Proposals should be sent to via <https://espirealestate2024.sciencesconf.org/>

**Participants and organisation:**

- Raphaël Perez, Sabrine Rekik, Carine Guemar, Damien D. Nouvel (ESPI2R), Chiara Tagliaro (Politecnico di Milano), Olayiwola O Oladiran (University of Sheffield), Ju Liu (Malmö University)