# EDUCATION AND TRAINING FORUM

**Royal Society of Edinburgh (RSE): Scott Room**  
**July 4th**

## TIME  |  min  |  10.00 - 11:00 Built Environment Education for Sustainability: Expanding the Scope  
---|---|---  
**Chair:** Ashraf M. Salama  
**Forum Introduction**  
1. **10:05**  
   - **0013**  
   - Sara Alsaadani  
   - Deciphering the code of ‘sustainable’ architecture: Exploring the discourse of PLEA 2014.  
2. **10:15**  
   - **1234**  
   - Heba Elsharkawy  
   - Building Capacity for Sustainable Design of the Built Environment  
3. **10:35**  
   - **1127**  
   - Kheira Aoul  
   - The Ethical Commitment to Sustainability in the Built Environment, Architectural Education Challenges  
4. **10:45**  
   - **528**  
   - Michaela Hoppe  
   - Research Oriented Teaching: Meeting the Challenges of Sustainable Building Design - the Economy of Ecology  
5. **10:55**  
   - DISCUSSION + Q&A

## TIME  |  min  |  11:00 - 12:00 The Community and Social Responsibility in Architectural and Urban Education  
---|---|---  
**Chair:** Heba Elsharkawy  
6. **11:00**  
   - **520**  
   - Sophie Lufkin  
   - Neighborhood-scale Evaluation to Benchmark the Integration of Urban Sustainability (NEBIUS). An innovative education and research methodology  
7. **11:10**  
   - **914**  
   - Lisa Iulo  
   - Extreme Makeover: Flood Edition  
8. **11:20**  
   - **1432**  
   - Isabel Rivera  
   - Architectural Design Studio as a tool to promote social responsibility in the improvement of urban environments.  
9. **11:30**  
   - **1094**  
   - Ulf Hackauf  
   - A classification model for urban spatial interventions in relation to urban metabolism  
10. **11:40**  
    - **356**  
    - Rachel Sara  
    - The University as agent of change in the city: Co-creation of live community architecture  
11. **11:50**  
    - DISCUSSION + Q&A

## TIME  |  min  |  12:30-13:30 Renovation, Technology, and Materiality in Design Pedagogy  
---|---|---  
**Chair:** Sara Alsaadani  
11. **12:30**  
    - **522**  
    - Paola Gallo  
    - Sustainable architecture and innovative technologies for deep renovation of school buildings: the design experience in the Environmental Design course of the architecture school at the University of Florence.  
12. **12:40**  
    - **751**  
    - Eric Knapen  
    - Sustainable material use in the Zero Pentathlon, a design assignment on holistic sustainable renovation of dwellings  
13. **12:50**  
    - **861**  
    - Heather Bibbings  
    - Enhancing Creativity and Independent Learning of Architectural Technology Students through the use of Real Life Design Competition Module  
14. **13:00**  
    - **59**  
    - Kenneth Black  
    - Designed Response: informing future student inquiry using design frameworks and full-scale construction  
15. **13:10**  
    - **1283**  
    - Susanne Rampfer  
    - Handbook for Sustainable Construction in Eastern Africa  
16. **13:20**  
    - DISCUSSION + Q&A

## TIME  |  min  |  13:30-14:30 Architectural Education Across the Boundaries of Cultures and Regions  
---|---|---  
**Chair:** Harshit Singh Kothari  
16. **13:30**  
    - **1023**  
    - Gail Brager  
    - Experiential aesthetics as a basis for design in the classroom  
17. **13:40**  
    - **395**  
    - Tiziana Vidotto  
    - Architecture design teaching in Brazil – experiences in the midst of school’s multiplication  
18. **13:50**  
    - **406**  
    - Jonathan Nativian  
    - Articulation, Space and Sustainability: A Report on diploma student projects at the Technion, Israel  
19. **14:00**  
    - **1037**  
    - Harshit Kothari  
    - Tiny School - A thought experiment in Indian Architectural education  
20. **14:10**  
    - **476**  
    - Achilles Ahimbisibwe  
    - Changing attitudes in educating the developing world: Incorporating Earth Construction in East African curriculum  
21. **14:20**  
    - DISCUSSION + Q&A

## TIME  |  min  |  15:00-17:00 Houses, Schools, and Design Learning for Efficiency  
---|---|---  
**Chair:** Farzad Pour Rahimian  
21. **15:00**  
    - **1248**  
    - Gillian Treacy  
    - Sustainable Lighting Design – Appropriate Metrics for Built Environment Education?  
22. **15:10**  
    - **1669**  
    - Claude Demers  
    - From in situ surveys to BIM simulations: connecting experience with performance  
23. **15:20**  
    - **898**  
    - Avedo Hoist  
    - Success of Solar Entrepreneurship Development Programmes towards Solar Energy Mission in India  
24. **15:30**  
    - **541**  
    - Silvia de Schiller  
    - Research, education and transfer: energy efficiency for sustainable building  
25. **15:40**  
    - **621**  
    - Ginnia Moroni  
    - From Model to Model: Lessons of Perimeter in Jaime Sanfuentes’ Houses  
26. **15:50**  
    - **236**  
    - Masahito Takata  
    - Redesign your previous design studio work according to the environment! - Learn principles of environmental design from famous architect’s houses and taking your own field measurements  
27. **16:00**  
    - **816**  
    - Claire Speedie  
    - Educational Buildings as Educational Buildings: Can sustainable architecture help support sustainability in the curriculum?  
28. **16:10**  
    - **396**  
    - Valentina Dessi  
    - The school yard: an opportunity to learn, play and make community  
29. **16:20**  
    - **1287**  
    - Samuel Domínguez-Amarillo  
    - Teaching innovation and the use of social media in architecture: the subject ‘Building Facilities and Systems for Smart and Efficient Building Design’  
30. **16:30**  
    - **690**  
    - Sanyogita Manu  
    - Building Bridges or Chasms? Separating energy efficiency education for better integration  
31. **16:40**  
    - **1169**  
    - Emilie Nault  
    - Energy performance analysis in interdisciplinary education – Lessons learned from a simulation-based teaching approach  
32. **16:50**  
    - DISCUSSION + Q&A