

## SelfSustainableCHI 2020 Workshop Schedule

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### Session 1: May 5th, 2020 at 14:00 – 15:30 pm (BST)/ 6 – 7:30 am (PT – Pacific Time)

Session Chair and Moderator: Steve Hodges, Microsoft Research, UK

Co-Moderator: Yogesh Kumar Meena, Nivedita Arora

#### 14:00 – 14:40 pm: Paper Presentations (7 Min) and Q&A (3 Min)

**Paper 1:** 14:00 – 14:10: Bringing Sustainability-Sensitivity into the Design of Public Interfaces: Opportunities and Challenges

**Paper 2:** 14:10 – 14:20: New Opportunities for Sustainable Interaction Using Backscatter Sensors

**Paper 3:** 14:20 – 14:30: Towards Repurposeful Thinking in Interaction Design

**Paper 4:** 14:30 – 14:40: The Material for the 21st Century

**14:40 – 15:15 pm: Group Discussion on presentations, challenges, and opportunities (35 Minutes)**

**15:15 – 15:30 pm: Feedback on workshop format (15 Minutes)**

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### Session 2: May 13th, 2020 at 16:00 – 17:30 pm (BST)/ 8 – 9:30 am (PT – Pacific Time)

Session Chair and Moderator: Professor Alan Dix, Swansea University, UK

Co-Moderator: Yogesh Kumar Meena, Nivedita Arora

#### 16:00 – 16:40 pm: Paper Presentations (7 Min) and Q&A (3 Min)

**Paper 1:** 16:00 – 16:10: Implicitly Human-Powered Devices

**Paper 2:** 16:10 – 16:20: Potential of Large Area Photovoltaic Sheets as Indoor Interactive Surfaces

**Paper 3:** 16:20 – 16:30: Foot Tap: Self-Sustainable Socially Appropriate Subtle Interaction

**Paper 4:** 16:30 – 16:40: Hanging Gardens of Babylon: Reframing Urban Agricultures an Opportunity for Social Engagement

**16:40 – 17:15 pm: Group Discussion on presentations, challenges, and opportunities (35 Minutes)**

**17:15 – 17:30 pm: Feedback on workshop format (15 Minutes)**

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### Session 3: May 21th, 2020 at 16:00 – 17:30 pm (BST)/ 8 – 9:30 am (PT – Pacific Time)

Session Chair and Moderator: Professor Gregory Abowd, Georgia Tech., USA

Co-Moderator: Yogesh Kumar Meena, Nivedita Arora

#### 16:00 – 16:50 pm: Paper Presentations (7 Min) and Q&A (3 Min)

**Paper 1:** 16:00 – 16:10 pm: Indoor Light Harvesting to Power IoT: Diffuse Light to Structured Information

**Paper 2:** 16:10 – 16:20 pm: Using Surface Acoustic Wave Devices for Self-powered Sensing & Interaction

**Paper 3:** 16:20 – 16:30 pm: Perovskite Powered Internet of Things

**Paper 4:** 16:30 – 16:40 pm: Self-sustainable Assistive & Accessible Technology for Low Resource Settings

**Paper 5:** 16:40 – 16:50 pm: Emerging Photovoltaics for Self-Sustaining Devices

**16:50 – 17:20 pm: Group Discussion on presentations, challenges, and opportunities (30 Minutes)**

**17:20 – 17:30 pm: Feedback on workshop format (10 Minutes)**

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### Session 4: May 29th, 2020 at 16:00 – 17:30 pm (BST)/ 8 – 9:30 am (PT – Pacific Time)

Session Chair and Moderator: Professor Matt Jones, Swansea University, UK

Co-Moderator: Yogesh Kumar Meena, Nivedita Arora

#### 16:00 – 16:40 pm: Paper Presentations (7 Min) and Q&A (3 Min)

**Paper 1:** 16:00 – 16:10 pm: Self-powered Users, “Free” Energy Harvesting and Interaction-powered Devices: a Hybrid Vision for Improved Sustainability

**Paper 2:** 16:10 – 16:20 pm: Photovoltaic Materials for the Design of Self-Powered Interfaces and Interactions using Shadow Detection

**Paper 3:** 16:20 – 16:30 pm: Crank-Powered Interactions

**Paper 4:** 16:30 – 16:40 pm: The Environmental Impact of Physical Prototyping: a Five-Year CHI Review

**16:40 – 17:15 pm: Group Discussion on presentations, challenges, and opportunities (35 Minutes)**

**17:15 – 17:30 pm: Feedback on workshop format (15 Minutes)**

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END SESSIONS