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Learning cast shadow appearance for human posture recognition

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**Research Highlights (Required)**

It should be short collection of bullet points that convey the core findings of the article. It should include 3 to 5 bullet points (maximum 85 characters, including spaces, per bullet point.)

- A shadow-based multi-view system is proposed for human posture recognition.
- Challenging images are generated due to cast shadow projected on the floor and walls.
- Handcrafted features are failed to describe such challenging images.
- Synthetic data are used for the CNN training to avoid the lack of enough real data.
- The CNN allows transfer learning and gives the high correct classification rate.

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