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## Image tagging

- Digital pictures are undergoing an explosion
- Image retrieval becomes crucial and they use tags
- Human tagging is accurate but slow
- Image based auto-tagging still has many constraints
- How to approximate the human tagging ability?

## Smartphone, the wild card

- Today's smartphones have powerful built-in sensors
- People always carry their phones

## TagSense

- A system for auto-tagging, with smartphone sensors
- Leverages multiple sensing domains
- Especially we focus on tagging people



# **TagSense: A Smartphone-based Approach to Automatic Image Tagging**





