

Additional Resources

[Help Center](#)

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Here is a list of some useful resources related to Computational Photography. This includes pointers to (1) classes offered on the subject and related topics, (2) software and tools I have found that are interesting, and (3) general and useful stuff. This is by no means a complete list and I welcome additions and suggestions of all types. Note that my listing these items here do NOT imply any form of an endorsement of these resources. This information is provided purely as an additional resource.

Courses offered on the Topic of Computational Photography (and other related topics)

- [Aaron Bobick](#), Georgia Institute of Technology: [Computer Vision](#)
- [Peter N. Belhumeur](#), Columbia University: [Computational Photography](#)
- [Fredo Durand](#), MIT: [Digital and Computational Photography](#)
- [Alexei \(Alyosha\) Efros](#), Carnegie Mellon University: [Computational Photography](#)
- [Irfan Essa](#), Georgia Institute of Technology: [Computational Photography](#), [Digital Video Special Effects][1]
- [Rob Fergus](#), New York University: [Computational Photography](#)
- [Kristen Grauman](#), University of Texas, Austin: [Computer Vision](#)
- [James Hays](#), Brown University: [Computational Photography](#), [Computer Vision](#)
- [Derek Hoiem](#), UIUC: [Computational Photography](#)
- [Mark Levoy](#), Stanford University, [Digital Photography](#)
- [Svetlana Lazebnik](#), UIUC, [Computer Vision](#)
- [Ramesh Raskar](#), MIT, [Computational Camera and Photography](#)

Some Others Materials

- [Ramesh Raskar and James Tumblin](#), [Computational Photography](#)
- [Camera 2.0](#)

Tools for Computational Photography (Not in any ORDER!)

- [OpenCV](#)
- [Processing](#)
- [Python](#)

- [ImageMagick](#)
- [Matlab](#)
- [Octave](#)

Softwares (not in any order)

- [Hugin Panorama Photo Stitcher](#)
- [Microsoft Research's ICE](#)

Conferences

- IEEE International Conference on Computational Photography. [2011](#) [2012](#) [2013](#)

Wikipedia

- [Computational Photography](#)

Text Books

- Rick Szeliski (2010), [Computer Vision: Algorithms and Applications](#), Springer.
- David Forsyth and Jean Ponce (2011), [Computer Vision: A Modern Approach](#), 2nd edition 2011. [Pearson](#)
- Eugene Hecht, (2002) [Optics](#) 4th Edition, Pearson
- B. London, J. Stone and J. Upton (2010), Photography, 10th ed. Upper Saddle River, NJ: Prentice Hall.

Interesting Sites

- [Flash applets on some technical aspects of photography](#)

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