

## Sony Pictures Imageworks - Color Scientist

The role of Color Scientist is responsible for the development and support of advanced color image processing technologies to meet the needs of our feature visual effects and animation motion-pictures.

### Basic Requirements:

- Ability to create color transforms utilizing a broad knowledge of color science fundamentals
- Experience evaluating image fidelity, including factors such as color, contrast, resolution, noise, grain, etc.
- Programming expertise specific to image processing, color processing, and color transform generation
- Strong problem solving skills (particularly focused on image processing pipelines)
- Strong communication skills (written, oral, and presentation)
- Ability to interface with outside vendors (DI companies, film labs, clients)

### Qualifications:

- 3+ years of programming experience in a computer graphics / color science related role (Python / C++ preferred)
  - Note: Graduate school programming is considered towards the programming experience requirements.
- Proven track record of color algorithm design and development for commercial products or projects
- Advanced degree in Computer Science, Engineering or related field a plus
- Experience with color workflow design in a production environment is a plus

### We are especially enthusiastic about candidates whose interests may include:

- High Dynamic Range (HDR) imaging
- High resolution imaging
- Commercial color management solutions
- Cutting-edge image capture technology
- Digital motion-picture cameras
- Digital Intermediate and color correction
- Wide color gamuts
- Compositing
- Onset color management
- Color perception models / color appearance model
- Device characterization and metrology
- Display technologies, including characterization and calibration methods
- Film and film processing

Please contact Joseph if you are interested in this position. [jslomka@imageworks.com](mailto:jslomka@imageworks.com)



# Job Opportunities

[www.cis.rit.edu/jobs](http://www.cis.rit.edu/jobs)

Sony Pictures Imageworks is the Academy Award winning visual effects and animation unit of Sony Pictures Digital Productions known for live-action visual effects and character animation, all-CG animation, and stereoscopic 3D imagery. The company is currently in production on OZ: THE GREAT AND POWERFUL, THE AMAZING SPIDER-MAN, MEN IN BLACK III, and the animated features ARTHUR CHRISTMAS (3D) and HOTEL TRANSYLVANIA. Other recent credits include the hybrid live-action/animation film THE SMURFS (3D), THE GREEN LANTERN (3D), ZOOKEEPER, ALICE IN WONDERLAND (3D), and CLOUDY WITH A CHANCE OF MEATBALLS (3D). You will be working with an industry-leading software development team, which has contributed to notable projects including Katana, Alembic, Open Shading Language (OSL), and OpenColorIO, amongst others. For inquiries, please contact Brian Keeney, V.P. Software Development: keeney (at) [imageworks.com](http://imageworks.com)