Display Calibration Color Scientist

Job Description

Apple designs consumer electronics that have touched millions and changed the way people interact with electronic devices around the world.

The Hardware Test Engineering Group is looking for a color scientist responsible for leading the design and development of automated systems which carry out display optical calibration and metrology for Apple's new product introduction (NPI). This role offers incredible opportunity to works closely with world class vendors and Apple internal teams on display design, display pipeline, instrumentation, optics, color calibration, metrology system design, image processing etc.

Job Responsibilities

Design, specification, development and deployment of display optical calibration and metrology systems for Apple products.

* Design and specify display color/brightness calibration, test methodology and stations according to product characters and quality requirements
* Specify measuring/calibrating equipment and tools for use in a NPI environment (e.g. colorimeter, spectrometer, illumination, etc.)
* Cooperate with cross functional teams to specify and implement calibration method & test coverage
* Analyze large quantity calibration/test data from stations, and formulate reports throughout the NPI cycle
* Qualify and debug the calibration and test methods from system level down to component level, and improve station maturity
* Work with optical engineer and vendors to develop new optical instruments

Required Experience

* M.S. or Ph.D in Color Science, Imaging or Optics
* Professional experience in color management & imaging, familiar with CIE color spaces
* Hands-on knowledge on operating optical instrument
* Excellent written and verbal communication skills
* Strong problem solving capability and willingness to learn new technologies
* Knowledge on display pipeline and image processing is a big plus
* Programming skills in Matlab/C/C++/C# is a plus