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The Sunday four-hour short courses presented on Sunday, June 15, 2014, are an information display intended for both engineers and scientists as well as students and business people entering new fields.

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| Track 1<br>S-1<br>Room 1<br>9AM-1PM  | <br>Geoff Walker | S1: Fundamentals of Future Directions in Touch Technology |
| <p><b>ABSTRACT:</b>Projected-capacitive (P-Cap) touch technology has become dominant in the CE/IT space (up to 27 in.) and is beginning to take over large-format applications. The other touch technologies (resistive and surface acoustic wave) are forecasted 2014 unit shipments and everything else at only 29% of the total, much less relevant, so this short course focuses exclusively on projected-capacitive. Topics include basic principles, sensor configurations, ITO and ITO-replacement materials, controllers, module construction and integration, the system, embedded p-cap (on-cell, hybrid in-cell/on-cell, and in-cell), multi-touch, OS support, middleware, large-format p-cap, active stylus, and trends and directions.</p> <p><u><b>Geoff Walker's Bio:</b></u> : Geoff Walker is currently a Senior Touch Technologist at Intel, working closely with Intel business groups, engineering teams, and Intel Capital to formulate and execute a strategy on touch-related technology and product development. Geoff has worked at Hitachi Systems, Fujitsu Personal Systems, Handspring, Elo Touch Systems, and NextWindow. He has been a consulting firm (Walker Mobile, LLC) for 7 years. He has published more than 65 magazine articles on touch screens, mobile displays, and mobile computers and has presented at more than 30 different emerging-technology conferences in the US, Japan, Taiwan, and China. Geoff is a very frequent speaker at multiple SID conferences, serving on the SID Symposium Touch Paper-Selection Committee and serving as the Guest Editor for Touch and Interactivity for SID's Information Display Journal. He is also a member of IEEE and ACM. Geoff holds a B.S. degree in electrical engineering from the Polytechnic Institute of New York University and has completed all the requirements for a Ph.D. degree from the Polytechnic Institute of New York University.</p> |   |   |