



Workshop - [ABF](#) Challenges

Find innovative solutions to help people to overcome the limits imposed by their disabilities. Italian and American scientists at work.

July 6th, 2012

The [Auditorium G.Toniolo](#) of the Opera Primaziale Pisana. Piazza dei Miracoli, PISA

Organizer and chair: Prof. [Laura Giarre](#)

Logistic: [MGA Srl](#)

AGENDA

9.00 Opening by [Andrea Bocelli](#)

9.30 Welcome speech by Authorities and Rectors of Università di Pisa, Università di Firenze and Scuola Superiore Sant'Anna

10.00 The MIT Fifth Sense Project: Providing the Functions of Vision to Blind People - [S. Teller](#) and co-authors, M.I.T. - Oral presentation and exhibition

11.00 Coffee break and exhibitions

11.30 Music Accessibility for Visually Impaired - [P. Nesi](#), G. Nicotra, Università' di Firenze

11.45 Intelligence in the Hand: From Human to Artificial Haptics - [A. Bicchi](#), Università' di Pisa

12.00 When your smart phone becomes your guide dog - [I. Tinnirello](#), P. Gallo, Università' di Palermo

12.15 Haptic Interfaces: access to digital computing for Visually Impaired- [C. Avizzano](#), A. Frisoli, M. Carrozzino, C. Evangelista S. Anna, Pisa

12.30 Two Research Projects on Computer Vision for Visually Impaired - C. Guida, M. Fanfani and [C. Colombo](#), Università di Firenze

12.45 Social networks: opportunities and challenges for blind people - M. Buzzi, C. Buzzi, [B. Leporini](#), CNR Pisa

13.00 Seeing with ears, hands and bionic eyes: from theories of brain organization to visual rehabilitation. [A. Amedi](#), Hebrew University of Jerusalem

13.15 Lunch in the Open Gallery

15.00 Panel discussion: Open problems and Possible solutions - Chairing: [M. Dahleh](#), M.I.T. Panelists: A. Tesi (Rector Università di Firenze), M. Carrozza (Rector Scuola Superiore Sant'Anna Pisa), P. Nesi (Università di Firenze), A. Bicchi (Università di Pisa), L. Emiliani (CNR Pisa), S. Teller (M.I.T.). With reference to success stories of blind people helped by new technologies

17.00 Closing by [Laura Biancalani](#), President of AB Foundation