

Disclaimer: Copyright and all rights of these materials are retained by copyright holders. In most cases, these works may not be reposted without the explicit permission of the copyright holder.

IEEE material: Personal use of this material is permitted. However, permission to reprint/republish this material for advertising or promotional purposes or for creating new collective works for resale or redistribution to servers or lists, or to reuse any copyrighted component of this work in other works must be obtained from the IEEE.

1. Stephan Schraml, **Ahmed Nabil BELBACHIR** and Horst Bischof, "An Event-driven Stereo System for Real-time 360 Panoramic Vision,"
in IEEE Transactions on Industrial Electronics, Vol. 63, No. 1, January 2016
(Impact Factor 6.498)

2. Ewa PIATKOWSKA, **Ahmed Nabil BELBACHIR** and Margrit GELAUTZ, "Cooperative and Asynchronous Stereo Vision for Dynamic Vision Sensors,"
in Journal of Measurement Science and Technology
(5), April 2014.
(Impact Factor 1.6)

3. **Ahmed Nabil BELBACHIR**, Michael HOFSTÄTTER, Martin LITZENBERGER, Stephan SCHRAML, Martin HUMENBERGER, Christoph SULZBACHNER, Daniel BAUER, Agoston SRP, Ferenc VAJDA and Peter SCHÖN, "CARE: An Event-driven 3D Vision System for Fall Detection," in IEEE Transactions on Industrial Electronics, December 2015 (Submitted).

4. **Ahmed Nabil BELBACHIR**, Michael HOFSTÄTTER and Peter SCHÖN, “High Speed Embedded Object Analysis Using a Dual-Line Timed-Address-Event Temporal Contrast Vision Sensor,” in IEEE Transactions on Industrial Electronics, Vol. 58, pp. 770-783, March 2011 (Impact Factor 5.1).

5. Albrecht POGLITSCH,..., **Ahmed Nabil BELBACHIR** et al., “The Photodetector Array Camera and Spectrometer (PACS) on the Herschel Space Observatory, Journal of Astronomy and Astrophysics A&A 518, L2 (2010).

-->

[PDF](#)

6. **Ahmed Nabil BELBACHIR**, Tommi LUNDEN, Peter HANAK, Frank MARKUS, Martina BOETTCHER and Tuija MANNERSOLA, “Biologically-inspired Stereo Vision for Elderly Safety at Home,” Magazine Elektrotechnik & Informationstechnik (2010) 127/7–8: 1–7, Springer Verlag, Aug, 2010.

--> [LINK](#)

7. **Ahmed Nabil BELBACHIR**, Mario DROBICS and Walter MARSCHITZ, “Ambient Assisted Living for Ageing Well – An Overview,” Magazine Elektrotechnik & Informationstechnik (2010) 127/7–8: 1–6, Springer Verlag, Aug, 2010.

--> [LINK](#)

8. Beate SEEWALD, Michael JOHN, Joachim SENGER and **Ahmed Nabil BELBACHIR**, “Silvergame – ein Projekt für soziale Integration und multimediale Interaktion Älterer Menschen,” Magazine Elektrotechnik & Informationstechnik (2010) 127/7–8: 1–4, Springer Verlag, Aug, 2010.

-->

[LINK](#)

9. **Ahmed Nabil BELBACHIR**, Michael HOFSTÄTTER et al., “High-precision Shape Representation Using a Neuromorphic Imaging Sensor with Synchronous AE Communication Interface,” in Journal of Measurement Science and Technology, Oct., 2009.

-->

[LINK](#)

10. Daniel BAUER, **Ahmed Nabil BELBACHIR**, Nikolaus DONATH, Gerhard GRITSCH, Bernhard KOHN, Martin LITZENBERGER, Christoph POSCH, Peter SCHOEN and Stephan SCHRAML, “Embedded Vehicle Speed Estimation System Using an Asynchronous Temporal Contrast Vision Sensor,” EURASIP Journal on Embedded Systems, Volume(2007), March 2007.

--> [PDF](#)

11. **Ahmed Nabil BELBACHIR**, Horst BISCHOF,, Roland OTTENSAMER, Franz KERSCHBAUM and Christian REIMERS, “On-board Data Processing to Lower Bandwidth Requirements on an Infrared Astronomy Satellite: Case of Herschel-PACS Camera,” EURASIP Journal for Applied Signal Processing, Volume 2005 (2005), Issue 15, pp. 2585-2594, June 2005.

--> [PDF](#)

12. Roland OTTENSAMER, Franz KERSCHBAUM, Christian REIMERS, **Ahmed Nabil BELBACHIR** and Horst BISCHOF, “The Austrian HERSCHEL/PACS On-Board Reduction Work Package,” Hvar Observatory Bulletin, vol. 26, no. 1, p. 77-80, Hungary, 2002.

-->

[PDF](#)

Disclaimer: Copyright and all rights of these materials are retained by copyright holders. In most cases, these works may not be reposted without the explicit permission of the copyright holder.

IEEE material: Personal use of this material is permitted. However, permission to reprint/republish this material for advertising or promotional purposes or for creating new collective works for resale or redistribution to servers or lists, or to reuse any copyrighted component of this work in other works must be obtained from the IEEE.
