

Bibliografia – Sitografia

A cura di Giovanni Pezzi, gruppo SMART AIF, settembre 2016

- <http://www.vieyrasoftware.net/>
- Google+:<https://plus.google.com/u/0/communities/117493961647466126964>
- <http://www.science-on-stage.de/page/display/en/3/70/0/istage-2-smartphones-im-naturwissenschaftlichen-unterricht//>
- <https://makingscience.withgoogle.com/>
- <http://einsteinworld.com/home/>
- <http://www.thepocketlab.com/>

<http://www.cittadellascienza.it/notizie/convegno-smartphoneon-line-i-documenti/>

• **Articoli in:**

- *The Physics Teacher* (AAPT Magazine, IPhysicsLabs Column)
- *Physics Education*
- *European Journal of Physics*
- *La Fisica nella scuola (IT)*
-

Articoli in italiano:

- G. Pezzi, “Una caccia al tesoro scientifica: dove sta l’accelerometro in uno smartphone?”, *La fisica nella scuola*, XLVI, n. 2, aprile giugno 2013
- S. O. Parolin, L. Resta, “Un’esperienza di insegnamento della trigonometria con l’aiuto degli smartphone”, *Progetto Alice*, 2013, I, vol. XIV, n. 40
- F. Giannelli, “Sperimentare in casa con lo smartphone”, *Emmequadro*, n. 58, settembre 2015
- S.O. Parolin, “Utilizzo del codice QR per una caccia al tesoro scientifica”, *La fisica nella scuola*, XLVIII, 2, 2014
- L. Galante, A.M. Lombardi, “Acustica con una Bic e uno smartphone”, *La Fisica nella Scuola*, XLVI, 2, 2013
- F. Giannelli, “Acustica in cucina”, *La Fisica nella Scuola*, XLVIII, 1, 2015
- A. Foschi, S. O. Parolin, G. Pezzi, “Vedere il calore”, accettato per la pubblicazione su *La Fisica nella Scuola*

Video clips su YouTube:

- “Smart Acceleration on a Record Player”, <https://www.youtube.com/watch?v=iz-ifI9giAI>
- “Smart Kundt”, https://www.youtube.com/watch?v=_M7oQ9N3t54
- “Doppler Effect with an Old Record Player, a Smartphone and a Tablet”, <https://www.youtube.com/watch?v=2ZrSdAe84go>
- “Acoustic Resonance by Soundbeam Recording”, <https://www.youtube.com/watch?v=EFV6nGCWoql>
- “Experimentos sin peso”, <https://www.youtube.com/watch?v=woLP9bVKfll>
- “Experiments with a Thermocamera”, <https://www.youtube.com/watch?v=UotuZCyKuYE>

Schede di lavoro in:

Amaldi, “Dalla Mela di Newton al bosone di Higgs”, Zanichelli
Ruffo, Lanotte, “Fisica, lezioni e problemi”, Zanichelli

Articoli in lingua inglese:

Meccanica

- P. Vogt, J. Kuhn, S. Müller, “Experiments Using Cell Phones in Physics Classroom Education: The Computer-Aided g Determination”, *The Physics Teacher*, 49, September 2011

- P. Vogt, J. Kuhn, "Analyzing free fall with a smartphone acceleration sensor", *The Physics Teacher*, 50, March 2012
- P. Vogt, J. Kuhn, "Analyzing spring pendulum phenomena with a smartphone acceleration sensor", *The Physics Teacher*, 50, November 2012
- P. Vogt, J. Kuhn, "Analyzing simple pendulum phenomena with a smartphone acceleration Sensor", *The Physics Teacher*, 50, October 2012
- P. Vogt, J. Kuhn, "Analyzing radial acceleration with a smartphone acceleration sensor", *The Physics Teacher*, 51, March 2013
- A. Shakur, T. Sinatra, "Angular momentum", *The Physics Teacher*, 51, December 2013
- R. E. Vieyra, C. Vieyra, "Analyzing Forces on Amusement Park Rides with Mobile Devices", *The Physics Teacher*, 52, March 2014
- S. Mau, F. Insulla, E. E. Pickens, Z. Ding, S. C. Dudley, "Locating a smartphone's accelerometer", *The Physics Teacher*, 54, April 2016
- M. A. González, M. Á. González, "Smartphones as experimental tools to measure acoustical and mechanical properties of vibrating rods", *Eur. J. Phys.* 37 (2016)
- S. Macchia, "Analyzing Stevin's law with the smartphone barometer", *The Physics Teacher*, 54, September 2016

Ottica

- P. Klein, M. Hirth, S. Gröber, J. Kuhn, A. Müller, "Classical experiments revisited: smartphones and tablet PCs as experimental tools in acoustics and optics", *Physics Education*, vol. 49, July 2014.
- Jochen Kuhn, Patrik Vogt, "Diffraction experiments with infrared remote controls", *The Physics Teacher*, Vol. 50, February 2012
- J. Haglund, F. Jeppsson, D. Hedberg, K. Schönborn, "Thermal cameras in school laboratory activities", *Physics Education*, vol. 50, July 2015

Acustica

- S. O. Parolin, G. Pezzi, "Kundt's tube experiment using smartphones", *Physics Education*, 50 (4) 2015
- S.O. Parolin, G. Pezzi, "Smartphone-aided measurements of the speed of sound in different gaseous mixtures", *The Physics teacher*, vol. 51, November 2013
- L. Kasper, P.Vogt, C. Strohmeyer, "Stationary waves in tubes and the speed of sound", *The Physics Teacher*, vol 53, January 2015
- M. Hirth, J. Kuhn, A. Müller, "Measurement of sound velocity made easy using harmonic resonant frequencies with everyday mobile technology", *The Physics Teacher*, vol. 53, February 2015
- A. Yavuz, "Measuring the speed of sound in air using smartphone applications", *Physics Education*, vol. 50, 3, 2015
- J. Kuhn, P. Vogt, M.Hirth, "Analyzing the acoustic beat with mobile devices", *The Physics Teacher*, vol. 52, April 2014
- J. A Gomez-Tejedor, J. C Castro-Palacio, J. A Monsoriu, "The acoustic Doppler effect applied to the study of linear motions ", *Eur. J. Phys.* , 35 (2014)
- Ahmet Yavuz and Burak Kağan Temiz, "Detecting interferences with iOS applications to measure speed of sound", *Phys. Educ.*, 51 (2016)

Magnetismo

- N. Silva, "Magnetic field sensor", *The Physics Teacher*, vol. 50, September 2012
- E. Arribas, I. Escobar, C. P. Suarez, A. Najera, A. Beléndez, "Measurement of the magnetic field of small magnets with a smartphone: a very economical laboratory practice for introductory physics courses", *Eur. J. Phys.* , 36 (2015)