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| lemands and exceed the expectations in this era, where technology evolves very fast. Creativity awakens he power of our numbed imagination; it is boldness, adventure, discovering and learning from change. To provoke creativity, few things are as important as the time that is dedicated to the cross-pollination with | | | | | Contact Us | |
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| diagram, called Pasteur quadrant, seeking to concentrate the scientific task according to the existent knowledge concepts, in the fact that engineering is the motor of innovation, through increasing and consolidating the creative process, teaching them to think and stimulating their critical mind by means of peer teaching. | | | | Sponsors, Associates, and Links >> | | |
| KEYWORDS Engineering Education; Teaching for Creativity; Innovation | | | | | The Conference on Information Technology in Education (CITE | |

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References

- Armentano, R. L. (2012). Innovation in biomechanics oriented to tissue engineering (Spanish ed.). Saarbrücken: Editorial Académica Espa?ola.
- [2] Brahic, A. (2012). Science, an ambition for France. Paris: Odile Jacob.
- [3] Houssay, B. A. (1952). Ciencia e investigación. Science and Research, 8, 327.
- John-Steiner, V. (2006). Creative collaboration. New York, NY: Oxford University Press. doi:10.1093/acprof:oso/9780195307702.001.0001
- [5] Keyser, S. J. (2011). The MIT nobody knows. Cambridge, MA: MIT Press.
- [6] Mazur, E. (1997). Peer instruction: A user' s manual. Upper Saddle River, NJ: Prentice Hall.
- [7] Morin, E. (2011). The way for the future of humanity. Paris: Fayard.
- [8] Oppenheimer, A. (2011). Cuentos Chinos (Spanish ed.). Buenos Aires: Debolsillo.
- [9] Schmidt, A. L. (2011). Creativity in science: Tensions between perception and practice. Creative Education, 2, 435-445.
- [10] Stokes, D. E. (1997). Pasteur' s quadrant: Basic science and technological innovation. Washington,

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