

REFERENCES

- [1] Mckinsey & Company, *Imagining construction's digital future*. 2016.
<http://www.mckinsey.com/industries/capital-projects-and-infrastructure/our-insights/imagining-constructions-digital-future>, Accessed in: 12/06/2017
- [2] Brown MT, Bardi E. 2001. *Handbook of energy evaluation. A compendium of data energy computation issued in a series of folios. Folio 3: Energy of ecosystems*, Center for Environmental Policy, Environmental Engineering Sciences, University of Florida, Gainesville. 2001
- [3] Metalogalva, FEUP, 2015, *VHSSPOLES – Very High Strength Steel Poles*, Artes Gráficas, Porto
- [4] Eurocode 3
- [5] EN 50341
- [6] <https://www.mathworks.com/help/gads/some-genetic-algorithm-terminology.html> Accessed: 01/06/2017
- [7] A. Lipowsky, 2011, *Roulette-wheel selection via stochastic acceptance*, Adam Mickiewicz University, Poznań, Poland
- [8] Fogel, 2006. *Evolutionary Computation: Toward a New Philosophy of Machine Intelligence*, IEEE press, New York, USA
- [9] <https://www.autodesk.com/products/robot-structural-analysis/overview> Accessed: 01/03/2017
- [10] <http://www.rhino3d.com/> Accessed: 01/03/2017
- [11] <http://www.grasshopper3d.com/> Accessed: 01/03/2017
- [12] H.S. Bernardino, H.J.C Barbosa, A.C.C Lemonge , 2008, *A new hybrid AIS-GA for constrained optimization problems in mechanical engineering*, IEEE congress, Hong Kong, China
- [13] D. Orvosh; L. Davis, (1994), *Using a genetic algorithm to optimize problems with feasibility constraints*, IEEE conference, Florida, USA
- [14] <http://www.nashcoding.com/2010/07/07/evolutionary-algorithms-the-little-things-you-d-never-guess-part-1/> Accessed: 20/05/2017
- [15] <https://setis.ec.europa.eu/related-jrc-activities/jrc-setis-reports/energy-efficiency-iron-and-steel-industry-technology> Accessed: 06/06/2017