
Implementation of persuasion strategies and techniques in the modern English popular science discourse

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The paper presents a research into persuasion strategies and techniques and their implementation in the modern English scientific and popular science discourse. The aim is to study and describe some communicative strategies and techniques that are used by authors of popular science articles in the field of satellite telecommunications. The relevance of this paper is caused by the necessity to identify and describe the authors' linguistic persuasive influence on readers' opinions in order to make them believe in the authors' points of view. This influence has a strong impact on the spread and development of scientific knowledge. The obtained results make it possible to draw the conclusion about the most popular and effective persuasive strategies and techniques used in the modern popular science articles. They may be useful for communication specialists to upgrade pragmatic aspects of the linguistic manipulation means as well as for English teachers to form students' critical approach to the contexts of the articles, which will help to develop their intercultural communicative competence.

Keywords: English language, linguistic persuasive influence, persuasion strategies and techniques, scientific and popular science discourse, satellite telecommunications.

REFERENCES

- [1] Aronson E., Pratkanis A.R. *Epokha propagandy: mekhanizmy ubezhdeniya, povsednevnoe ispolzovanie i zloupotreblenie* [Age of Propaganda: The Everyday Use and Abuse of Persuasion]. Saint Petersburg, Prime-EVROZNAK, 2003, 384 p.
- [2] Bagiyan A.Yu. *Determinologizatsiya angliyskoy tekhnicheskoy terminologii v nauchno-populyarnom diskurse. Dis. ... dokt. filol. nauk* [Determinologization of English technical terminology in the popular science discourse. Diss. ... doc. filol. sci.]. Pyatigorsk, 2014, 173 p.
- [3] Goncharova L.M. *Vestnik MGOU — MSRU Bulletin*, 2010, no. 2, pp. 21–25.
- [4] Kopyl D.A. *Izvestiya Yuzhnogo federal'nogo universiteta. Seriya. Filologicheskiye nauki — Proceedings of the Southern Federal University. Philology Science Issue*, 2012, no. 4, pp. 157–165.
- [5] Gumperz J.J. *Discourse strategies*. Cambridge, Cambridge University Press, 1982, 240 p.
- [6] Chen Xun. The Demand for Mobility SATCOM In APAC. *SatMagazine*, 2015, vol. 6 (June), pp. 26–29.
- [7] Yen-Wu Chen. Overcoming SATCOM Disruption, From RF Interference to Rain Fade. *SatMagazine*, 2015, vol. 6 (June), pp. 82–84.
- [8] Palmer R. Ka-Band Capacity Planning. *SatMagazine*, 2015, vol. 6 (June), pp. 74–78.
- [9] Morita S. Going to live with HTS. *Satellite Evolution Asia*, 2015, vol. 2 (March/April), pp. 30-32.
- [10] Patton C. Antennas Attracting New Markets & Opportunities. *Via Satellite*, 2014, vol. 5 (October/November), pp. 20–26.

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- [11] Berlocher G. SSPA vs. TWTA. Is There Room for Both? *Via Satellite*, 2014. vol. 5 (October/November), pp. 32–36.
 - [12] Grondrup-Vivanco J. The Changing Economics of Satellite Communications. *Satellite Executive Briefing*, 2014, vol. 7 (8), pp. 1–7.
 - [13] M2M and the Internet of things. *Satellite Evolution EMEA*, 2015, vol. 1 (January/February), pp. 12–18.
 - [14] Change is on the Horizon. *SatellitePro Middle East*, 2010, vol. 8 (March), pp. 18–23.
 - [15] Gottlieb A. New, low-cost, phased arrays coming to maritime. *Satellite Evolution Asia*, 2015, vol. 3 (May/June), pp. 10–12.
 - [16] Clear choice and flexibility for the energy sector. *Satellite Evolution Asia*, 2015, vol. 2 (March/April), pp. 12–18.
 - [17] Kolyubakin V. Russian DTH-market. *Telesputnik*, 2014, vol. IBC2014 (special edition), pp. 10–12.
 - [18] The LEO phenomenon. *Satellite Evolution EMEA*, 2015, vol. 2 (March/April), pp. 38–40.
 - [19] Niethe G. Smaller + More Powerful SATCOMS? It's Possible...With GaN. *SatMagazine*, 2015, vol. 6 (June), pp. 26–29.
 - [20] Karasik V.I. *Yazykovoy krug: lichnost', kontsepty, diskurs* [Language circle: personality, concepts, discourse]. Moscow, Gnozis, 2004, 390 p.
 - [21] Shelestyuk E.V. *Rechevoye vozdeystviye: ontologiya i metodologiya issledovaniya* [Language influence: ontology and research methodology]. Moscow, FLINTA: Nauka, 2014, 344 p.
 - [22] Kopyl D.A. *Sovremenny angloyazychnyy nauchnyy diskurs: kommunikativno-pragmatischeskiy potentsial ubezhdeniya*. Avtoref. dis. ... kand. filol. nauk [Modern English scientific discourse: communicative and pragmatic persuasion]. Extended abstract of Diss. ... cand. filol. sci. Rostov-on-Don, 2013, 26 p.
 - [23] Skovorodnikov A.P. O neobkhodimosti razgranicheniya ponyatiy "ritoricheskiy priyem", "stilisticheskaya figura", "rechevaya taktika", "rechevoy zhanch" v praktike terminologicheskoy leksikografii [On the necessity of distinguishing the concepts of "rhetorical device", "stylistic figure", "verbal tactics", "speech genre" in practice of terminological lexicography]. *Rhetorics — Linguistics. Coll. articles*. Smolensk, Publisher of SPGU, 2004, vol. 5, pp 5–11.
 - [24] Kulikova O.V. *Evristsika argumentatsii (lingvokognitivnoye issledovaniye)* [Argumentation heuristics (linguo-cognitive investigation)]. Moscow, GEOS, 2010, 296 p.

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