

# Chapter 97

## On Experience of Social Networks Exploration for Comparative Analysis of Narratives of Foreign Members of Armed Groups: IS and L/DPR in Syria and Ukraine in 2015–2016

**Yuriy V. Kostyuchenko**

*Scientific Centre for Aerospace Research of the Earth, National Academy of Sciences of Ukraine, Kiev, Ukraine*

**Maxim Yuschenko**

*Scientific Centre for Aerospace Research of the Earth, National Academy of Sciences of Ukraine, Kiev, Ukraine*

**Igor Artemenko**

*Scientific Centre for Aerospace Research of the Earth, National Academy of Sciences of Ukraine, Kiev, Ukraine*

### **ABSTRACT**

*This article contains a comparison of narratives of foreign members of armed groups of The Islamic State of Iraq; the Levant; the Lugansk and Donetsk People's Republics in Syria and Ukraine. This data was collected in 2015-2016 using social networks and telecommunications which are presented in the article. The probabilistic and stochastic methods of analysis and classification of data from social networks were used for the identification of active members of illegal armed groups, and for analysis its number, composition and dynamics in active conflict areas. Some structural, figurative and lexical features of 83 stories are discussed. Key similarities, anomalies and differences are determined. Ways of information dissemination using social networks and traditional media are described. Role of narratives is shown. Conclusions are proposed.*

DOI: 10.4018/978-1-7998-2466-4.ch097

## INTRODUCTION

In the modern conflicts we often identify our enemies as terrorists with or with no enough reasoning, basing on political interest. In such situation it is very difficult to collect and to accumulate direct socio-cultural and socio-psychological data, which we need to understand conflict behavior and nature of the conflict. At the same time, modern communicative tools, such as the social networks, offer number of ways to collect such information. So, the task of extraction, analysis and interpretation of sociocultural and socio-psychological information from social network data should be formulated, and its decision could be demonstrated for the separate case.

Changing nature of modern conflicts (Kaldor, 2013) requires novel approaches to its analysis and decision making (Duffield, 2014). New approaches require new data and algorithms for its processing. If tradition conflicts were driven by geo-political, economic or ideological interest, modern conflicts are the wars of identities, which have the internal, behaviorist reasons and drivers (Münkler, 2005). Because the rise of identity politics is associated with new communications technologies (Kaldor, 2013), the analysis of identity associated conflicts should include analysis of data from communicative networks.

Therefore, in the modern world, the terroristic threat and conflicts intensity are closely connected with the structure of information, the evolution of methods of information expansion and ways of its dissemination. Our decisions should be based on understanding of socio-psychological and sociocultural phenomena and processes, which influent to security (Bjørge, 2004). Narrative analysis – in the most common sense of the narrative term, as a spoken or written account of connected events - is one of the useful ways of such understanding.

Despite existing volume of “stories of terrorists”, we still need material to understand the nature of current threats. Imperfectness of data sources is the reason of lack of information (Van der Hulst, 2009).

For example, stories of arrested terrorists are different from their real stories, like as police record is different than a detective novel. Arrested terrorist considers himself already dead, and this position influents to all components of narrative and deforming the analysis results.

Stories from “repentant terrorists” do not contain the necessary information, because the repentance act requires changing the worldview and ideology. So, we do not obtain direct information on cognitive and reflective instruments of terrorist. Therefore, we need “in vivo experiments”.

Usually, available in media stories from militants are essentially censored: it remains no more than 30-40% of original volume (real story told by a real person), 20-40% of the original lexicon is extracted, and in 10-20% of stories the structure of the narrative is changed (Rowland, 1989, Green, Strange, & Brock, 2003, Metsola, 2001). Therefore, we need stories from “first hands”.

This is a big, time-consuming and difficult task. Especially, if it is necessary to compare the materials from different countries, language and cultural communities (Presser & Sandberg, 2015; Joosse, Bucerius, & Thompson, 2015). So, the multisource data including social network and other big data resources should be involved into consideration. Processing this kind of data in security context requires the development of algorithms of big data analysis, but all available and accessible data should be identified and collected (Chen et al., 2004).

Comparison of IS (The Islamic State of Iraq and the Levant) and L/DPR (Lugansk and Donetsk People's Republics) makes a sense and has reasons. The “official” history of the IS and L/DPR began in 2013-2014, they have approximately the same military potential of 30,000 fighters, more than half of which are foreign citizens, the methods and instruments of their military operations have signs of terrorist activity (Benmelech, Klor, 2016, Weiss, Hassan, 2016, Nowrasteh, 2016, Kostyuchenko, et al., 2017).

14 more pages are available in the full version of this document, which may be purchased using the "Add to Cart" button on the publisher's webpage:

[www.igi-global.com/chapter/on-experience-of-social-networks-exploration-for-comparative-analysis-of-narratives-of-foreign-members-of-armed-groups/251516](http://www.igi-global.com/chapter/on-experience-of-social-networks-exploration-for-comparative-analysis-of-narratives-of-foreign-members-of-armed-groups/251516)

## Related Content

---

### The Approach of the Islamist Press in Turkey to the Murder of Samuel Paty: A Qualitative Content Analysis

Eren Ekin Ercan (2022). *Media and Terrorism in the 21st Century* (pp. 13-27).

[www.irma-international.org/chapter/the-approach-of-the-islamist-press-in-turkey-to-the-murder-of-samuel-paty/301078](http://www.irma-international.org/chapter/the-approach-of-the-islamist-press-in-turkey-to-the-murder-of-samuel-paty/301078)

### Why Risk-Research is More Prominent in English Speaking Countries in the Digital Society

Maximiliano E. Korstanje (2014). *International Journal of Cyber Warfare and Terrorism* (pp. 8-18).

[www.irma-international.org/article/why-risk-research-is-more-prominent-in-english-speaking-countries-in-the-digital-society/110978](http://www.irma-international.org/article/why-risk-research-is-more-prominent-in-english-speaking-countries-in-the-digital-society/110978)

### Managing Terrorism in Africa: Assessing Policing Issues

Gerald Dapaah Gyamfi (2020). *Cyber Warfare and Terrorism: Concepts, Methodologies, Tools, and Applications* (pp. 1458-1469).

[www.irma-international.org/chapter/managing-terrorism-in-africa/251503](http://www.irma-international.org/chapter/managing-terrorism-in-africa/251503)

### Logistics Industry in the Context of the Blockchain Technology

Imdad Ali Shah, Areeba Laraiband Fida Hussain (2024). *Navigating Cyber Threats and Cybersecurity in the Logistics Industry* (pp. 214-235).

[www.irma-international.org/chapter/logistics-industry-in-the-context-of-the-blockchain-technology/341419](http://www.irma-international.org/chapter/logistics-industry-in-the-context-of-the-blockchain-technology/341419)

### Ascertaining Trust Indicators in Social Networking Sites

N. Veerasamy and W. A. Labuschagne (2013). *International Journal of Cyber Warfare and Terrorism* (pp. 22-37).

[www.irma-international.org/article/ascertaining-trust-indicators-in-social-networking-sites/101938](http://www.irma-international.org/article/ascertaining-trust-indicators-in-social-networking-sites/101938)