Rhetorical Analysis on Commercialization of Quantum Computing

Quantum Computing and Supercomputing have always been a fastly growing field. In this paper I analyze George Rajna's paper on the commercialization of Quantum Computing through a rhetorical point of view using: Ethos, Pathos, Logos, and Kairos. The purpose of this document isn't just to reinstate the author's position but to critique the paper as a whole and provide both an academic as well as literature based analysis of his work.

The purpose of this paper is to inform, teach, and educate the reader in a logical way about the commercialization of Quantum Computers. The main style of writing that the author uses is logic and facts, but he also overall gives us a moment to see that we learned something new. Overall the paper was written in an academic format by George Rajna himself. One of the top Chess Players and artificial intelligence researchers in the world.

Logos is found many times throughout the paper. The author is always mentioning facts on what are Quantum Computers? He mentions them as a type of technology important in experiments such as particle acceleration, data processing, and signal processing. He overall informed us on facts such as Google, Lenovo (IBM), and other tech giants have been working on these technologies for years. He ties the paper with some theories as well as facts on Quantum Computers and the technology as a whole. He overall provided the reader a factual insight on the seemingly big future of these types of technologies.

I overall thought the paper demonstrated pathos somewhat. Due to the nature of the paper, you would think the author was trying to convey little emotion for the readers. However, when I read the paper I was struck with very factual information and overall felt like I learned

something. I was fascinated on how the paper ran so smoothly and got even more fascinated on the topic. The author did a great job grabbing my attention that I even researched similar topics such as Computer Vision, UML, and Big data after reading about his paper.

I see the importance of the technology the author is trying to emphasize. The author throughout the paper emphasizes how this technology is used to process data, as well as how it is used in big ways for research. He talks about research such as Relativistic Quantum Theory, or the physical commercialization of this technology. He also emphasizes how they are using this technology as a whole to unify Relativity and equations we never thought of comprehending or considering.

In regards to ethos: I think although the article was self published, the author still has some credibility. The style of language he used in his paper was obviously that of a professional. You also need to take into account that this author is one of the top chess players in the world and achieved one of the highest awards from Microsoft for his research. Of Course the paper does have some formatting issues. The fact that he cited Wikipedia didn't seem like much of a good idea. However, if you look at the big picture as a whole the author did well in trying to convey a fairly complicated topic.

Overall the document as a whole conveyed the message that Quantum computers is a field that is worth exploring. He also meant to inform the reader with standard definitions such as Particle Duality, Quantum Enlightenment, The Heisenberg Uncertainty principle and more. You will see the paper through both the perspective view as meant for Theoretical Physicist, Computer Engineers, Quantum Physics researchers, but he also tailored it somewhat to a general audience by mentioning these standard definitions.

The paper was effective in some ways. The paper overall got me to think more as I mentioned earlier, but it also left me wanting to learn more about the subject. However, this is such a big topic that it would need books and journals to just get a jist of it. I think though that the author did a great job talking about the picture as a whole as well as giving me something to hopefully explore later on.

My final conclusion is that the author did a great job presenting his paper (taking to account the standard formatting issues or that it was self published). The reason I believe this is because he have informed the reader with standard definitions on the topic as well as used sophisticated and professional language throughout the paper. You can tell the paper came from the mind of an Engineer or Researcher and not from the mind of someone who knows nothing on the subject. Honestly, I think Mr.Rajna did a great job on his paper and left me yearning to learn more. I would recommend this paper to anyone interested on getting introduced to a topic such as this.

How is this related to my field?

This is related to my field in many big ways. I am a Computer Engineering and IT student at the time of this paper, and know that I will have to learn about Theoretical Physics, Big Data, Cisco and IBM technologies, etc. throughout my field. Quantum Computing is obviously related to this and is a subject that I may want to later explore more about.

Sources:

1. Rajna, George. "Quantum Computers Attracting Commercial Interest."*Vixra Journal of Digital Signal Processing*. Vixra.org, 24 June 2015. Web. 25 July 2015.

2. George Ranja's "Linkedin Profile" (Linkedin.com) N.A (Other) Accessed: 7/28/2015