

SCIENTIFIC ACTIVITY REPORT 2018

Luciano Pederzoli

EVANLAB

1st September 2018

The drafting of the 2018 scientific activity report coincides with the end of the fourth year of operation of EvanLab, the non-profit organization established in 2014 as a research group after a year and a half of preparation; indeed, in August 2014 we began publishing in peer-review journals. The points of reference of this report are therefore represented by the SCIENTIFIC ACTIVITY REPORT OF 2017 (<http://www.evanlab.org/wp-content/uploads/2017/09/12e-SCIENTIFIC-ACTIVITY-REPORT-2017.pdf>) and by FIVE YEARS OF SUCCESSES (<http://www.evanlab.org/wp-content/uploads/2018/01/FIVE-YEARS-OF-SUCCESSES.pdf>), an article written at the end of the fifth year of our research group's existence, which was born on 29th December 2012.

And this year too we are not lacking in rewards, as outlined below:

Research results:

The articles we have published in peer-review journals, scientific websites (for example SSRN - <https://www.ssrn.com/en/> and RESEARCHGATE - https://www.researchgate.net/profile/Luciano_Pederzoli), and our website www.evanlab.org have by now been read and downloaded many thousands of times by researchers worldwide and even by lay people.

Outside our native Europe (including Russia), we have been read from the USA to Brazil, around the American continent, Australia, many African countries, and many more in Asia including China, India, Pakistan and Vietnam.

Slowly but surely we are drawing a crowd...

Professor Yi-Fang Chang from the Department of Physics, Yunnan University, Kunming (China) thanked us for our contribution to Chinese frontier science and in early August told us that in July 2018 he (a physicist) had finally published the first Chinese book dedicated to parapsychology, titled "**Chinese Traditional Culture and Research of Parapsychology. Kunming 2016**", in which one of our articles is presented in the preface and reproduced in full in pages 28-35 (see also <https://www.neuroquantology.com/index.php/journal/article/view/625>).

Quite an achievement!

The anticipated article by Facco, E., Casiglia, E., Al Khafaji, B.E., Finatti F., Duma, G.M., Mento, G., Pederzoli, L. & Tressoldi P.E. titled ***Neurophenomenology of Out-of-Body Experiences Induced by Hypnotic Suggestions*** has been accepted for publication by the International Journal of Clinical and Experimental Hypnosis.

This is the first independent reproduction of a study of the Out-of-Body Experience (OBE), which used a different hypnotist, participants, and equipment with respect to previous studies.

Could this be the birth of a new school of hypnotic OBEs?

Publicity activities:

There is also the unexpected success of three radio interviews on the program called BORDER NIGHTS, which airs every Wednesday at 10pm on the WEB RADIO NETWORK -
<https://www.youtube.com/user/frabby80> :

- 11th October 2017 – *Experiences outside the body*
www.youtube.com/watch?v=NxeLuUIGAH4&t=34s
Has almost 5,000 views.
- 15th March 2018 *The Out of Body Experience (OBE) and the paranormal*
<https://www.youtube.com/watch?v=pXjVmGkKFuE&t=640s>
Almost 3500 views.
- 24th June 2018 - Diretta dal Parco Acqua Rossa di Gualdo Cattaneo Border Nights Live
<https://www.youtube.com/watch?v=j9Ojmvi-v4M&t=9177s> - From the 3hr 06m mark onwards.
Has more than 11,000 views.

On the 16th April 2018 the “**Science of Consciousness Research Group**” of the Department of General Psychology, University of Padova (<http://dpg.unipd.it/en/soc>) organized the first thematic public meeting dedicated to consciousness, with the participation of the illustrious Federico Faggin (*Federico and Elvia Faggin Foundation*), who presented his own original interpretation of reality. The most innovative presentations of that meeting are available online in both Italian and English at www.evanlab.org under *RECOMMENDED READING*.

The event was so successful that a second thematic public meeting has been scheduled for the 19th October 2018, this time dedicated to out of the ordinary conscious experiences. Patrizio Tressoldi and Luciano Pederzoli will be speaking about channelling in an hypnotic state, a normally taboo subject, which for the first time will be presented in an academic setting. It's a large step forward, thanks to the University of Padova, the SOC group and Professor Patrizio Tressoldi, who has devoted much time and effort towards this objective.

International collaborations:

Finally, the collaboration proposals we received by the Californian group under Dean Radin and the Canadian one under Michael Persinger are still in effect and the funding request we submitted is still being examined after passing various (slow) selection stages. Irrespective of the outcome of the funding request, which at this point is unlikely (Persinger is unfortunately recently died), the international respect for, and confidence in, our group is an important endorsement.

We are also collaborating with Helané Wahbeh of the Institute of Noetic Sciences for an online study into the characteristics of channelling experiences.

CURRENT STATE AND FUTURE OUTLOOK

Despite the constant lack of external funds, which has complicated and limited the possibility of experimenting with new equipment, the work covered has been prodigious and fruitful, producing the following:

MIND-TO-MIND INTERACTION AND MIND-COMPUTER INTERFACING

In this research field we study “unconscious telepathy”, this being the interaction (shown instrumentally via Encephalography), below the conscious threshold of the subject designated as the receiver, that occurs between the minds of two people in different locations and sensorially isolated, one of whom (the Sender) is subjected to visual and auditory stimulations and the other (the Receiver) is not stimulated.

A while back William Giroldini developed a statistical analysis method called GW6, and thanks to him this has proven to be the only one so far able to detect this interaction. We also used it in an experiment in which the applied stimuli were only 32 instead of over 100, and from this we wrote an article demonstrating the significance of the correlation even with such a small number, combined with the possibility of determining which on-off frequency was characteristic of each series of 32 stimuli:

- Giroldini, W., Pederzoli, L., Bilucaglia, M., Prati, E. and Tressoldi, P.E. - ***Brain-to-Brain interaction at a distance - A global or differential relationship? v2***

Subsequently W. Giroldini developed a new evaluation method, significantly different to GW6, which has produced new proofs and described in the following article:

- Giroldini, W., & Pederzoli, L. - ***Brain-to-Brain Interaction at a Distance Based on EEG Analysis*** - Published in: Journal of Consciousness Exploration & Research

To continue further however it is necessary to think of new ideas from scratch and develop an algorithm that lets us not only prove the existence of a correlation between the EEG signals of each pair of participants, but also the main characteristics of the Receiver's signal.

It is an exciting challenge, but a difficult one.

MIND-MATTER INTERACTION

Nor did we forget to investigate what is happening in the world of mental influence at a distance. The complete picture is described in this article:

- Tressoldi, P.E., & Pederzoli, L. - ***Mental Technologies: distant mental influence on the behaviour, physiology, and emotions of human beings, and on biological and physical targets***

It appears that our contribution is quite significant.

CONTROLLED OBE UNDER HYPNOSIS

The most intense and productive research was, once again, in the most innovative field of all: the study of a controlled OBE under hypnosis. After having demonstrated the existence of this phenomenon, taking advantage of its by now easy and total repeatability, we gathered a whole series of data about its characteristics which led to a fundamental article for anyone interested in its study:

- Pederzoli, L., & Tressoldi, P.E. - ***A guide for OBE induction***

This is actually a beginner and intermediate level “how-to” manual for OBEs, in which all the steps are laid out in detail as well as what results to expect.

After the intermediate level, however, it is not surprising that there would be a higher one, and on the 3rd August 2016 Elena Prati, during a routine controlled OBE under hypnosis, induced in a non-

research environment, unexpectedly opened a new (very rich) research path, that of “channelling during a controlled OBE under hypnosis”. She is recognized as being the first to guarantee the perfect repeatability of the channelings themselves (so far she alone has completed a total of 9 hours and 18 minutes) and this accomplishment in itself is enough to justify its presentation at the meeting in Padova on the 19th October, which also justifies introducing to the public a demanding study that has been in progress for two years.

At this point though it is necessary to have a brief digression for those who are unfamiliar with the concept of channelling.

Channelling has been known since pre-historic times and is a practice in which a person (the channeller), after having entered a modified mental state, communicates with one or more “intelligent entities”, which can also speak using the channeller’s voice and possibly through his/her body while the channeller’s mind can range from completely lucid to a total absence of awareness and memory of what has occurred.

Currently this practice is usually confined to mediums and clairvoyants, who often “channel” - for a cost – a loved one who has passed. Since this form of channelling is not repeatable whenever desired, the mediumclairvoyant, if talented, can resort to obtaining the information telepathically from the client’s mind. Having already proven the existence of telepathy, we are faced with a fundamental question: *Is the information given by the immaterial entity a product of the channeller’s mind or the questioner’s?*

For a reliable answer to this question we need to repeatedly and easily channel the intelligent entity in question and subject it to a long series of well-prepared questions, the answers of which will only be interesting if they do not form part of the channeller’s or questioner’s knowledge/beliefs. This situation is very appropriate for channelling during a controlled OBE under hypnosis.

The entity channeled by Elena Prati called itself “Argathian” and the channelling was indirect, in that she served as “interpreter”, translating my questions and their responses. As efficient as it is, this type of channelling could entail a loss of information during the double “translation” process; however, the perfect repeatability of the channelings themselves and the quality of the answers allowed an in-depth study of the channeled entity and its knowledge.

Given that the channeled entity seemed somewhat reluctant to give divulge certain information, I did a cross-check with my friend Daniela Del Carlo; therefore from the 24th April 2017 I was able to indirectly channel (to date a total of 2 hours and 23 minutes) another “Agarthian” who, apart from imparting unexpected information, claimed he knew the other “Agarthian” and his reluctance to disclose interesting information to “despised” humans. Eventually he took on the task of speaking to him.

This discussion apparently did not lead to any change in demeanor of the entity channeled by Elena Prati, nonetheless, in an unusual an unexpected way I met somebody who was previously unknown to me, Nadia Resti, who has proven to be an excellent channeler in a controlled OBE state under hypnosis. From the 21st October 2017 to date we have clocked more than 25 hours of channelling of a particularly interesting non-physical entity, and what’s more, after a few hours of indirect channelling, we were able to use direct channelling, even with frequent spontaneous amnesia of the channeler with respect to what occurred during the hypnosis, and this allowed an even more detailed investigation of the channeled personality and its claims.

After 37 hours of channelling with three different channeled entities and three independent channelers, the repeatability of channelling during a controlled OBE under hypnosis is unquestionable and this technique has now become not just scientifically approachable, but useful for new and worthwhile studies in a completely unexplored field.

CURRENT STATUS OF SCIENTIFIC PUBLICATIONS

N.B.: All articles are also available in Italian at www.evanlab.org

PUBLICATIONS IN PEER-REVIEW JOURNALS

Tressoldi, P.E., & Pederzoli, L. - ***Mental Technologies: distant mental influence on the behaviour, physiology, and emotions of human beings, and on biological and physical targets***
(Submitted) Available at: <https://psyarxiv.com/rvysd/>

Facco, E., Casiglia, E., Al Khafaji, B.E., Finatti F., Duma, G.M., Mento, G., Pederzoli, L. & Tressoldi P.E. - ***Neurophenomenology of Out-of-Body Experiences Induced by Hypnotic Suggestions***
Accettato da: International Journal of Clinical and Experimental Hypnosis
Available at: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2820689

Giroldini, W., & Pederzoli, L. - ***Brain-to-Brain Interaction at a Distance Based on EEG Analysis***
Journal of Consciousness Exploration & Research, June 2018. Vol. 9. Issue 6, pp. 501-513
Also available at: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3212033

Pederzoli, L., Giroldini, W., Bilucaglia, M., Prati, E. and Tressoldi, P.E ***The Physics of Mind-Matter Interaction at a Distance***
NeuroQuantology, Vol 15, No 3 (2017)
<https://www.neuroquantology.com/index.php/journal/article/view/1063>

Tressoldi, P.E., Pederzoli, L., Matteoli, M., Prati E. and Kruth, J.G. - ***Can our Minds emit light at a 7300 Km distance? A pre-registered confirmatory experiment of mental entanglement with a photomultiplier***
NeuroQuantology, Vol 14, No 3 (2016)
<https://www.neuroquantology.com/index.php/journal/article/view/906>

Giroldini, W., Pederzoli, L., Bilucaglia, M., Melloni, S. and Tressoldi, P.E. - ***A new method to detect Event-Related Potentials based on Pearson's correlation***
EURASIP Journal on Bioinformatics and Systems Biology. 7 June 2016, 2016:11
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4894923/>

Walach, H., Tressoldi, P.E., Pederzoli L. (2016) - ***Mental, behavioural and physiological nonlocal correlations within the Generalized Quantum Theory framework***
Axiomathes. April 2016 - doi10.1007/s10516-016-9290
<https://link.springer.com/article/10.1007/s10516-016-9290-6>
Also available at: <http://ssrn.com/abstract=2695741>

Tressoldi, P.E., Pederzoli, L., Caini, P., Ferrini, A., Melloni, S., Richeldi, D., Richeldi, F., Trabucco, A. - ***Hypnotically Induced Out-of-Body Experience: How Many Bodies Are There? Unexpected Discoveries About the Subtle Body and Psychic Body***
SAGE Open. October-December 2015: 1-11 - November 16, 2015
<http://journals.sagepub.com/doi/full/10.1177/2158244015615919>

Giroldini, W., Pederzoli, L., Bilucaglia, M., Caini, P., Ferrini, A., Melloni, S., Prati, E., Tressoldi, P.E. (2015) - ***EEG correlates of social interaction at distance***
F1000Research. 2015, 4:457
<https://f1000research.com/articles/4-457/v5>

Tressoldi, P.E., Pederzoli, L., Caini, P., Ferrini, A., Melloni, S., Richeldi, D., Richeldi, F., Duma, G.M. (2014) - ***Mind-Matter Interaction at a Distance of 190 km: Effects on a Random Event Generator Using a Cutoff Method***

NeuroQuantology | September 2014 | Volume 12 | Issue 3 | Page 337-343
<https://www.neuroquantology.com/index.php/journal/article/view/767/663>

Tressoldi, P.E., Pederzoli, L., Bilucaglia, M., Caini, P., Fedele, P., Ferrini, A., Melloni, S., Richeldi, D., Richeldi, F., Accardo, A. - ***Brain-to-Brain (mind-to-mind) interaction at distance: a confirmatory study***

F1000Research. 2014, 3:182 - August 5, 2014
<https://f1000research.com/articles/3-182/v3>

PUBLICATIONS IN SCIENCE WEBSITES

Pederzoli, L., & Tressoldi, P.E. - ***A guide for OBE induction***

March 12, 2018 - https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3142567

Giroldini, W., Pederzoli, L., Bilucaglia, M., Prati, E. and Tressoldi, P.E. - ***Brain-to-Brain interaction at a distance - A global or differential relationship? v2***

v1: September 5, 2017; v.2: May 14, 2018 -
https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3029605

De Foe, A., Al Khafaji, B.E., Pederzoli, L., Prati, E. and Tressoldi, P.E. – ***Out-of-body-experiencesE, a phenomenological comparison of different causes***

Jan 24, 2017 - https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2903827

Pederzoli, L., Giroldini, W., Duma, G.M., Mento, G., Prati, E. and Tressoldi, P.E.- ***Out-of-Body Experience Induced by Hypnotic Induction: A Neurophenomenological Study***

Aug 11, 2016 - http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2820689

Tressoldi, P.E., Pederzoli, L., Ferrini, A., Matteoli, M., Melloni, S., and Kruth, J.G. - ***Can Our Minds Emit Light? Mental Entanglement at Distance with a Photomultiplier***

July 1, 2015 - http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2625527

Pederzoli, L. - ***A new model of reality***

June 16, 2015 - http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2619221

Tressoldi, P.E., Pederzoli, L., Caini, P., Ferrini, A., Melloni, S., Richeldi, D., Richeldi, F., Kruth, J. G. - ***Mental Interaction at Distance on a Photomultiplier: A Pilot Study***

October 24, 2014 - http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2506135

Tressoldi, P.E., Pederzoli, L., Bilucaglia, M., Caini, P., Fedele, P., Ferrini, A., Melloni, S., Accardo, A. - ***Brain-to-Brain (Mind-to-Mind) Interaction at Distance: A Pilot Study***

May 24, 2014 - http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2423852

Tressoldi, P.E., Pederzoli, L., Caini, P., Ferrini, A., Melloni, S., Richeldi, D., Richeldi, F., Trabucco, A. - ***Out of Body Experience Induced by Hypnotic Suggestion: Phenomenology and Perceptual Characteristics***

March 17, 2014 - http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2443719