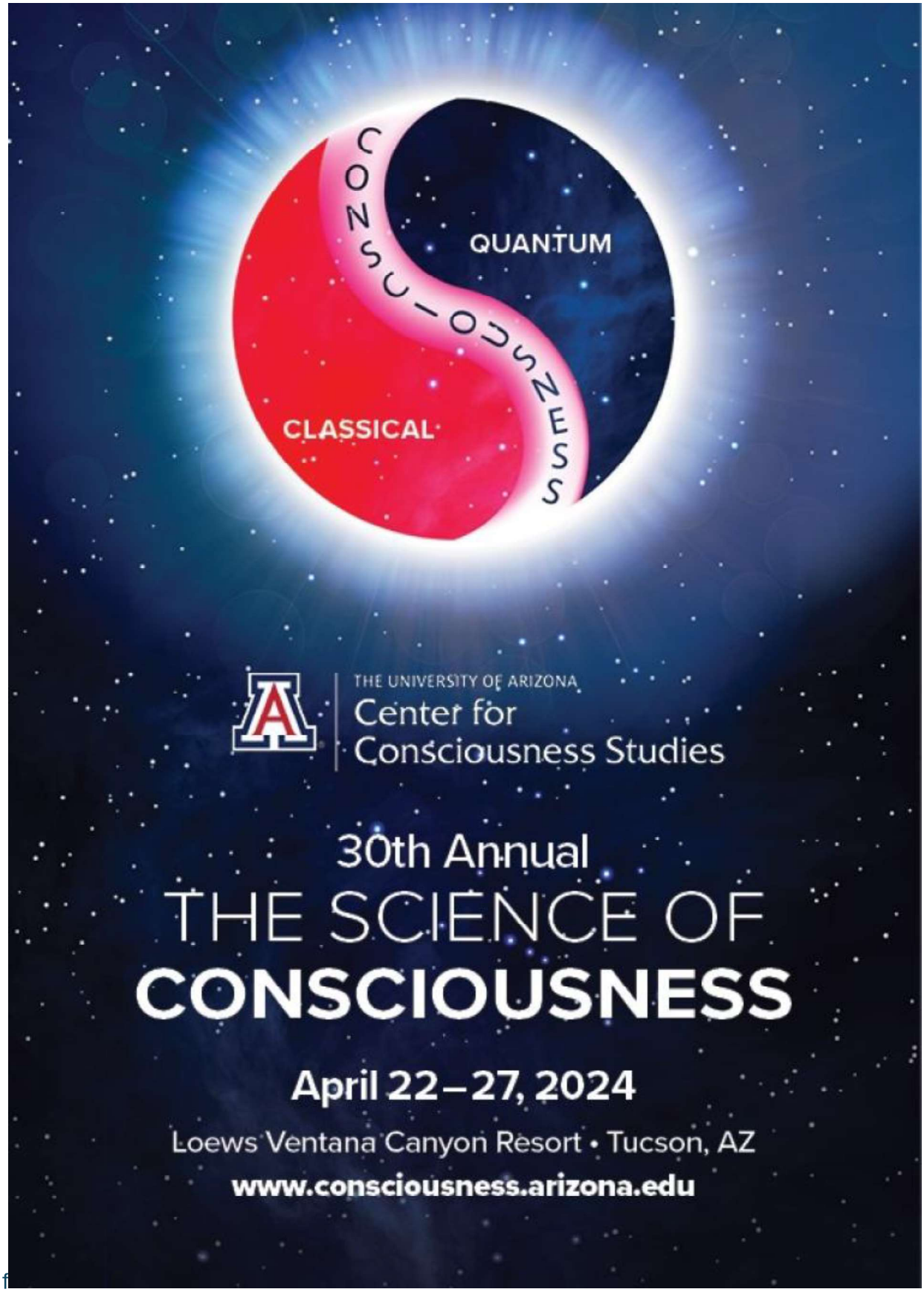
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# The use of Gas Discharge Visualization in near death studies research

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## Categories by Discipline

4.0 Physical and Biological Sciences

## Primary Topic Area - TSC Taxonomy

[05.08].....Near-death and anomalous experiences

## Abstract

The purpose of the research is to understand the death process and its link to the human energy field with the help of gas discharge visualization technology. The presentation is aimed at presenting preliminary results that would help us to reveal how the human energy field (HEF) is connected to the body and how collected evidence is used to support the hypothesis of the survival of human consciousness. GDV technology gives an impression of the HEF and allows to see its day-to-day transformation linked to the different states of consciousness of the individual. GDV utilizes a weak, completely painless electrical current applied to a conductive object for one tenth of a second. The object's response to this stimulus is the formation of an electronic emission. The electrons emission stimulates gas (or air) discharge (or glow) that is captured by the in-built video camera. The number of emitted electrons is dependent on the state of the energy flows of the conductive object. Energy flows are related to the blood and lymph circulation, activity of the sweat glands, nerves and any other signals transmitted by the human body. The more electrons are emitted – more light will be formed around the conductive object. The higher the energy of the emitted electrons – higher will be the intensity of the photographed glow. An energy parameter is calculated from the area and intensity parameters of the glow captured by the GDV device, The principle of GDV is that the inner energy of the human body relates to the energy of the photographed glow collected by the device. The amount of the emitted light is dependent on the number of electrons emitted by the part of the body being measured. The frequency, number and energy of electrons emitted are directly connected with the inner energy reserves of the human body by the means of energy channels. Literature has shown that, with the use the GDV technology is possible to measure the activity of consciousness and observe its effect upon the emission characteristics of several organs of the human body. These parts include the brain, the heart, and the lungs. In this experiment, we use a GDV device in continuous mode by wearing a glove that

helps us to collect data from the experiment's participant. These measurements were conducted before and after death in several people that participated in the study, The intention of this collection is to monitor statistically significant changes of energy levels during measurements. The hypothesis is that states of consciousness have an effect in energy changes in the HEF. The second hypothesis is that death changes the state of consciousness of the individual and that consciousness remains linked to the body even after death and slowly detaches from the body after several days.

**Keywords**

Near death experiences, Gas Discharge Visualization Technology, Photonic Technology, Quantum technology,

# Biophotonics sensors and Gas Discharge Visualization for near death experiences research

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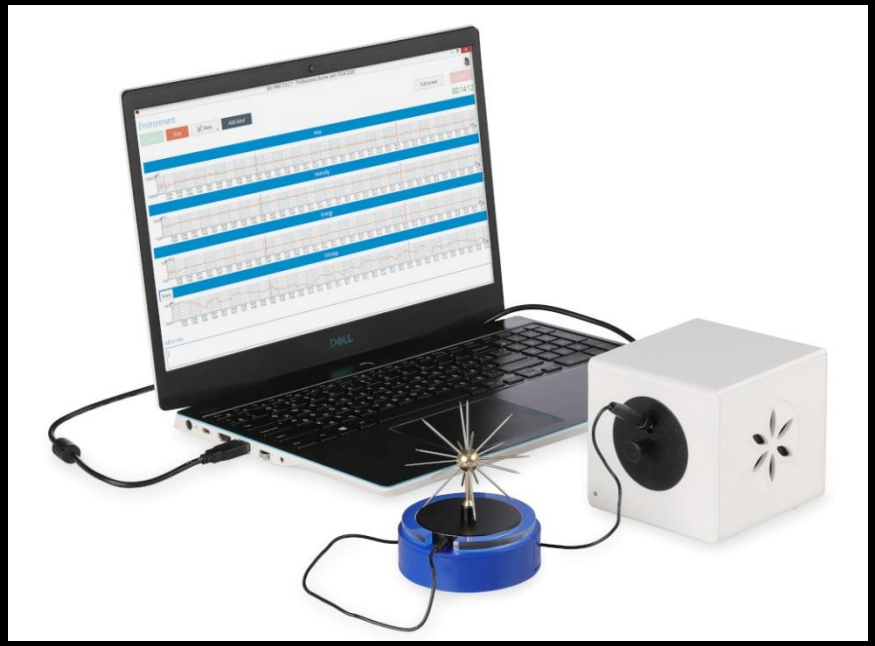
Consciousness Research Foundation LLC

# Bio photonics and Gas Discharge Visualization

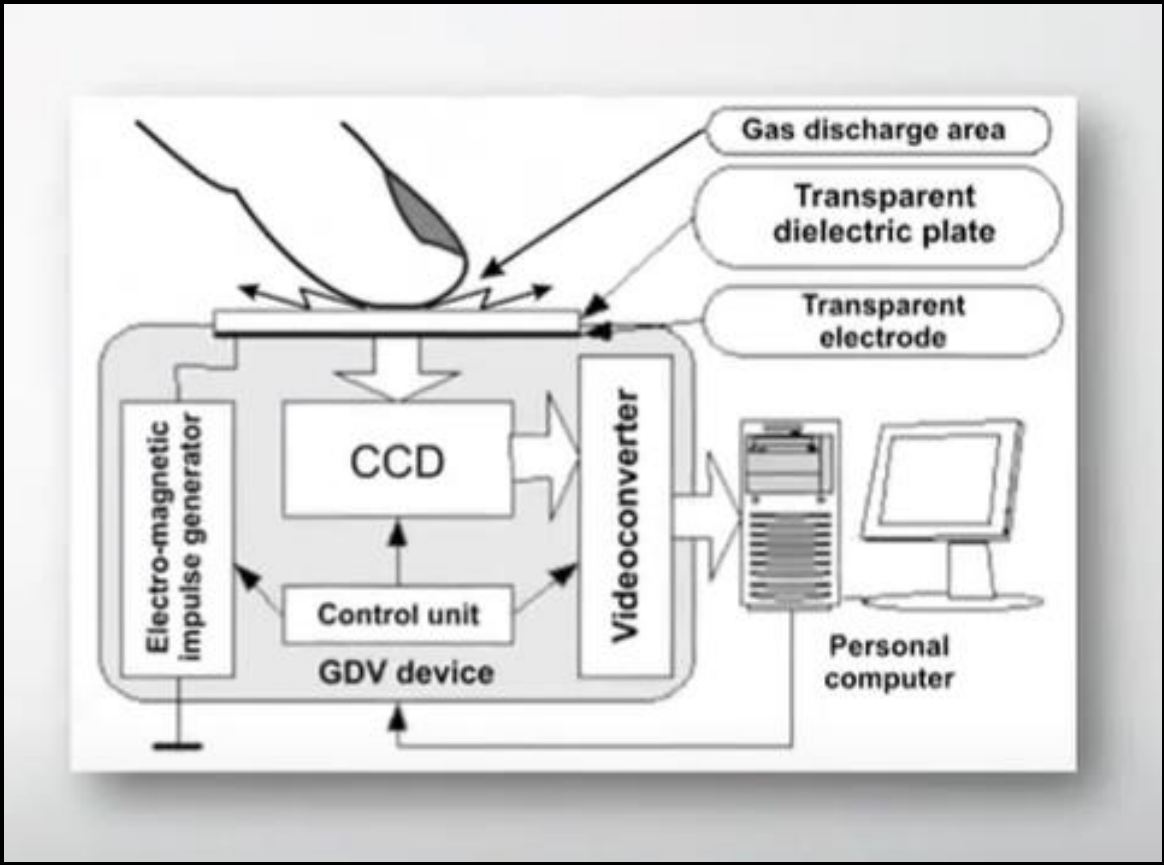
- Bio photonics is an interdisciplinary field that combines principles of physics, chemistry, biology, and engineering to study and apply the interaction between biological tissues and light.
- The method of EPI (Electro-photonic Imaging) based on GDV (Gas Discharge Visualization) technique is well known for applications in medicine, sport and psychology
- Gas discharge visualization (GDV) is a technique that involves capturing and analyzing the light emissions produced by ionized gases around an object or living organism. The technique is based on the idea that the energy field around living organisms, often referred to as the biofield, can be visualized and analyzed using gas discharge visualization cameras.

# EPI and GDV

- The electrophotonic method investigates human functional states by assessing electro-optical parameters of the skin that are based on the registration of physical processes emerging from electron components of tissue conductivity.
- This technique allows one to capture the image of electrophotonic impulse around human fingertips and to extract information about sympathetic and parasympathetic nervous system activities (e.g. stress levels and relaxation).
- The EPC/GDV Camera is based on the ideas of quantum biophysics and used as an “Electrophotonic Sensor”.

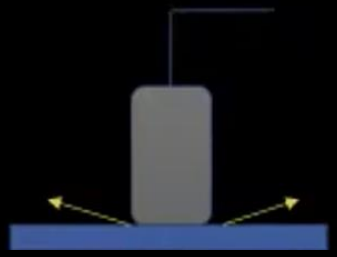


# GDV Device

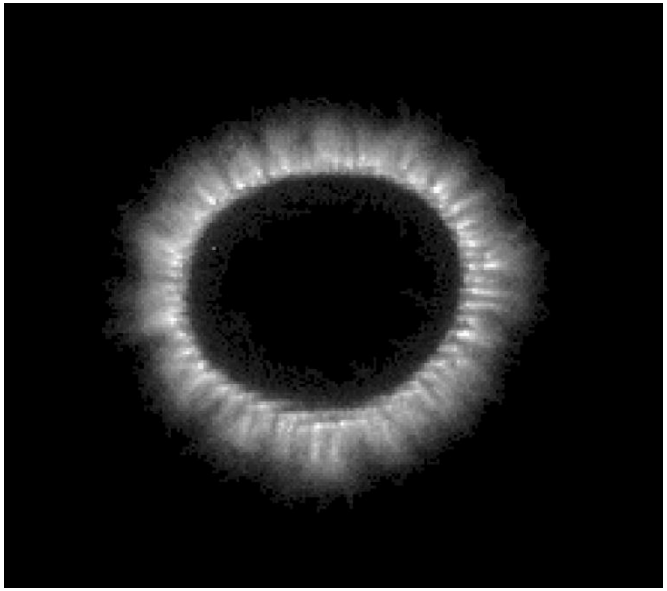

Gas discharge area
Transparent dielectric plate
Transparent electrode
Electro-magnetic impulse generator
CCD
Videoconverter
Control unit
GDV device
Personal computer

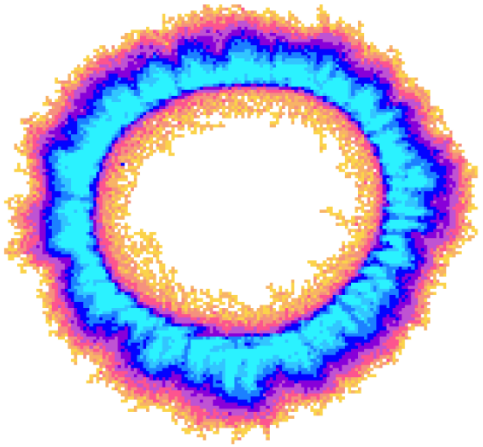
# Measurements

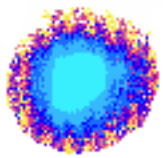
## What we are measuring?

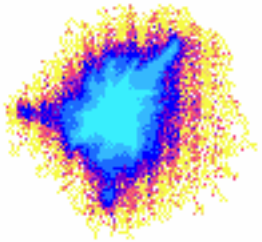



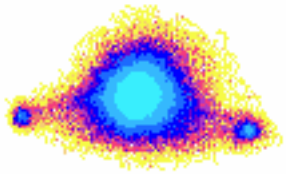
# Image processing











A

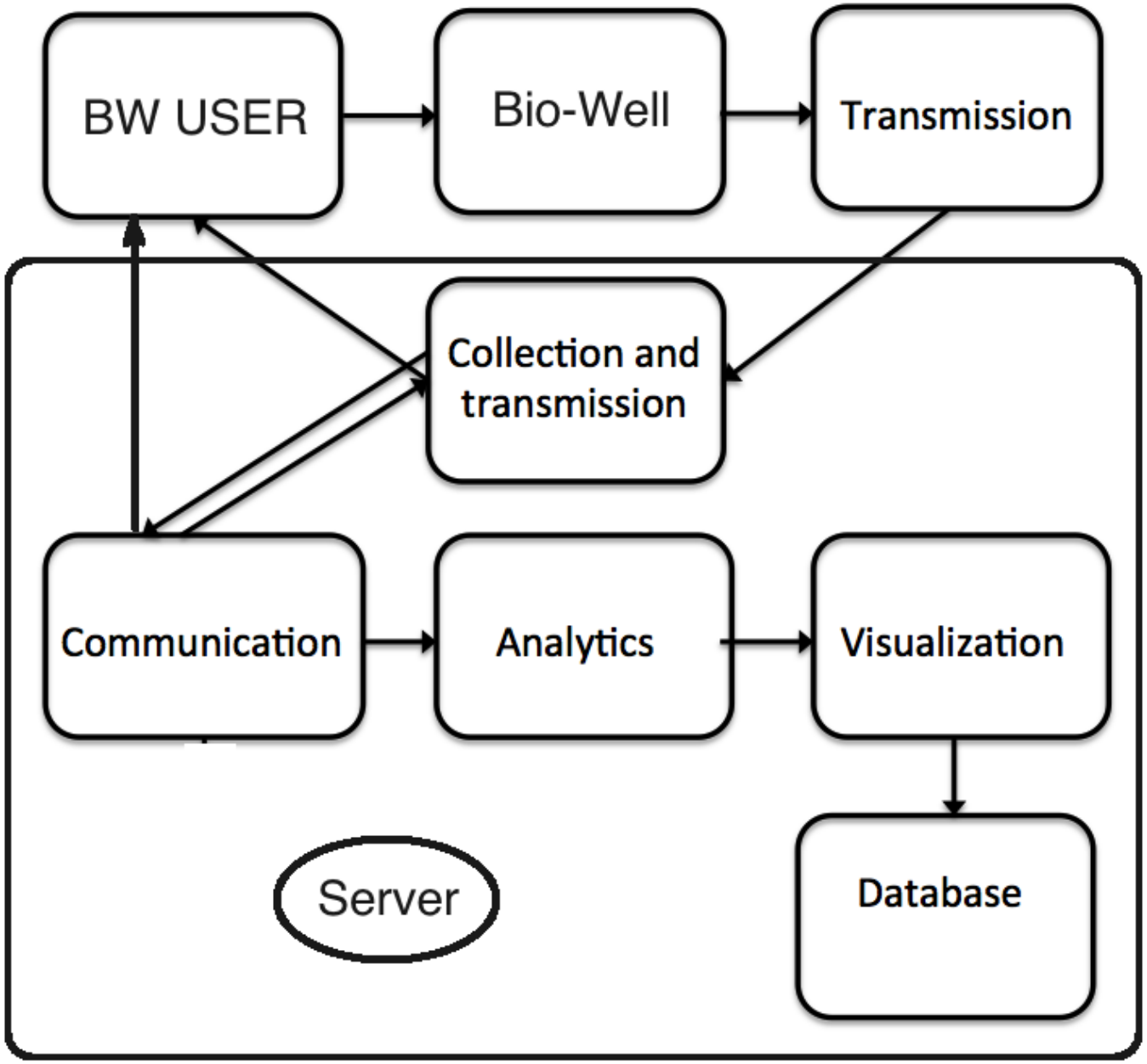
B

C

Data acquisition, sensing, transmission

Data concentration, transmission and communication

Data cloud processing, analytics, visualization, storage



# Information collected

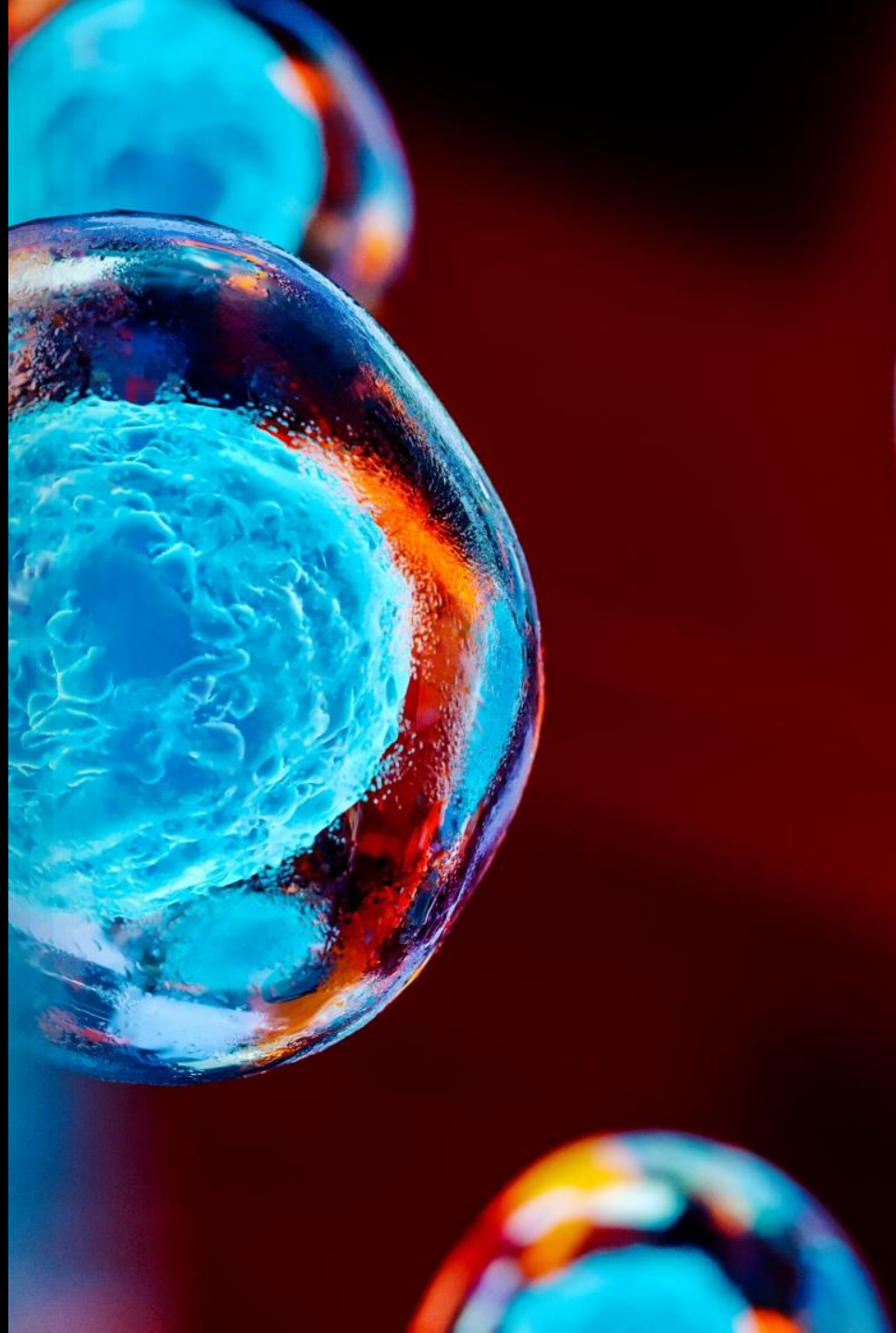
## Parameters of the GD-Images

- Area (number of pixels)
- Average intensity (average intensity of all pixels)
- Overall Energy of discharge (Area **x** Av. Intensity **x** conversion coefficient)
- Standard deviation of Area
- Standard deviation of Energy

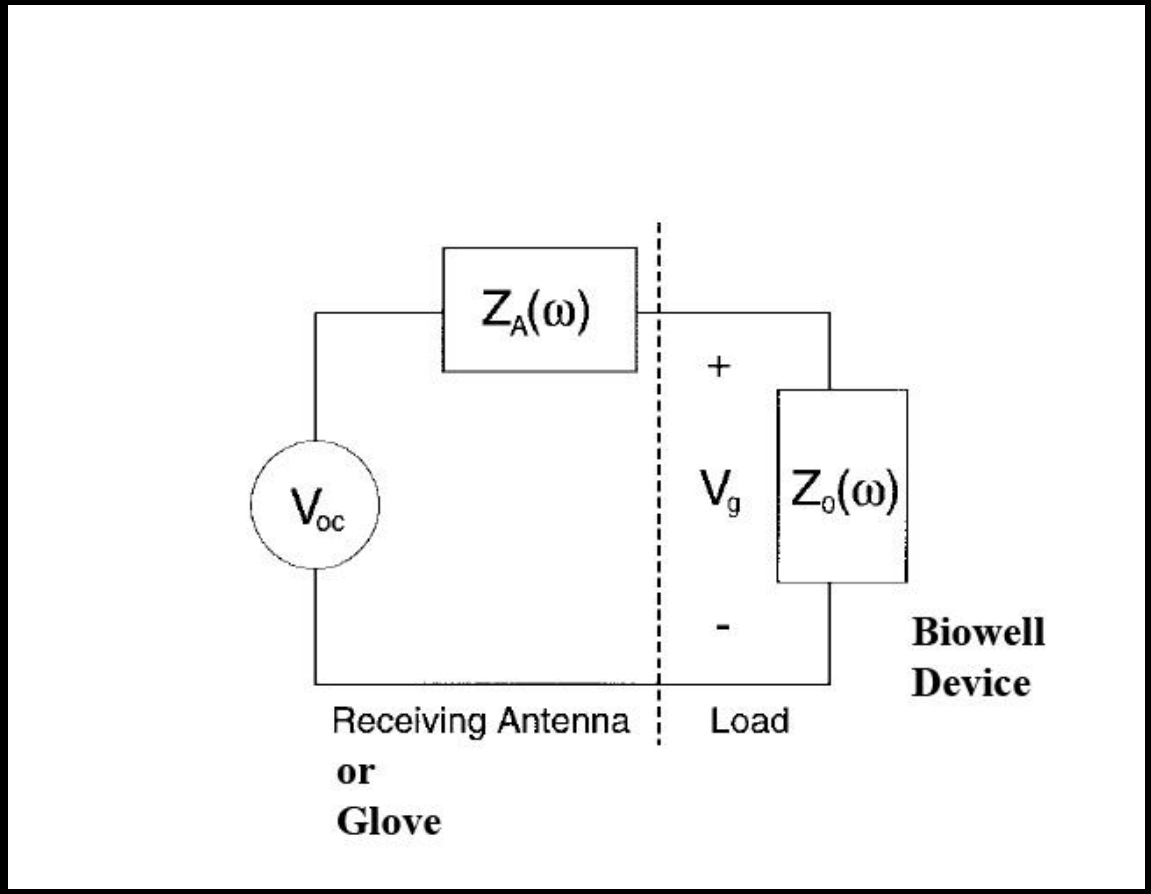
# Data collection with Sputnik Antenna or Glove

# What influences gas discharge in the surrounding space?

- Chemical composition of the air
- Relative humidity of the air
- Air temperature
- Air pressure
- Magnetic fields
- Electro magnetic fields
- Geo or techno active zones
- Concentration of aero ions
- PEOPLE



# Circuit model



# Analysis

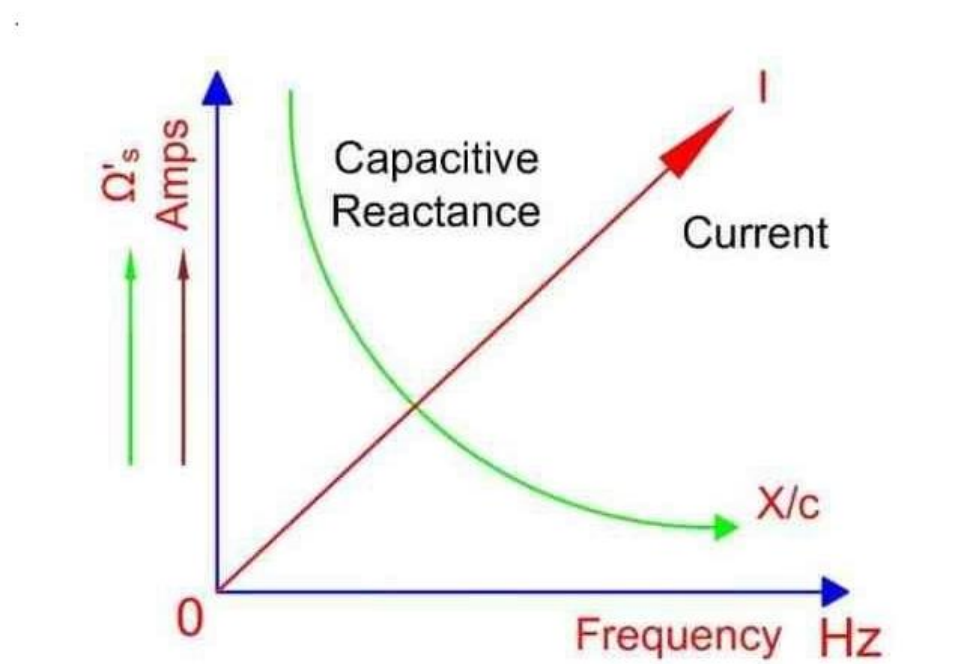
- At a very low frequency of the energy captured by antenna or glove, the reactance becomes very large and therefore VG is very low compared to Voc [1]. The energy captured with Biowell will be lower.
- At a higher frequency of the energy captured by antenna or glove, the greater the current because the reactance of the capacitors drop.  ZA is small compared to Z0, Vg can be approximated by Voc [1]. The energy captured with Biowell will be higher.


- [1] R. C. Hansen, “Fundamental limitations in antennas,” *Proc. IEEE*, vol.
- 69, pp. 170–182, 1931.

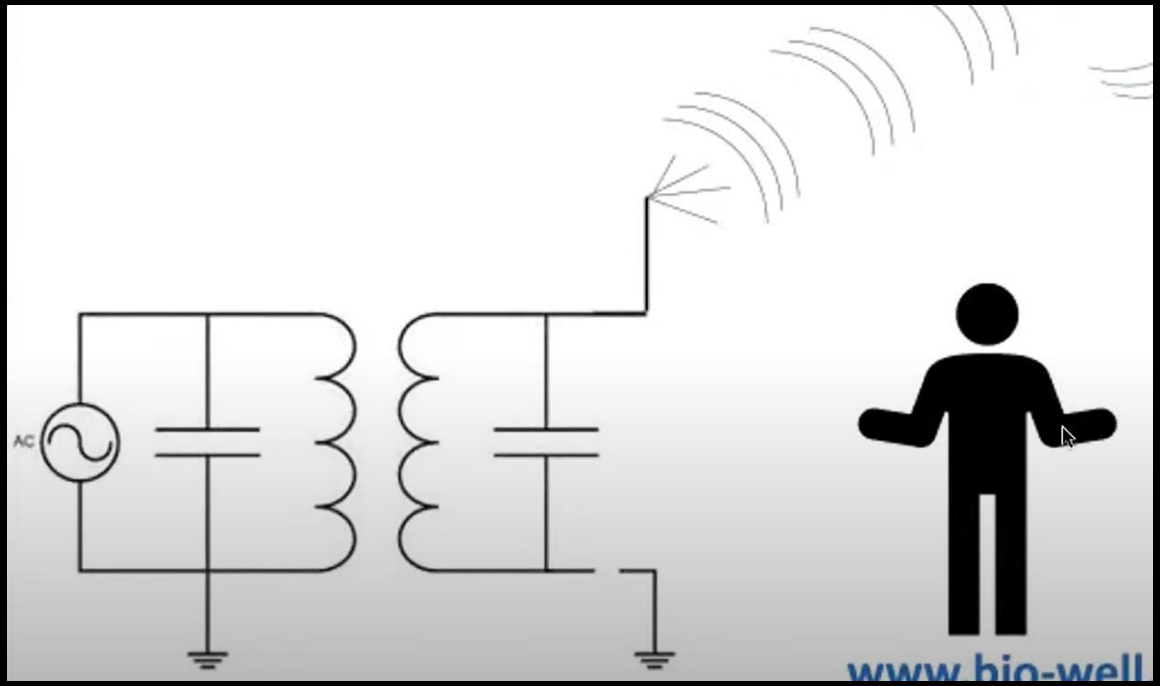
# Capacity reactance against frequency

$$X_C = \frac{1}{2\pi f C}$$

- The opposition to the flow of alternating current due to capacitance is called "capacitive reactance."

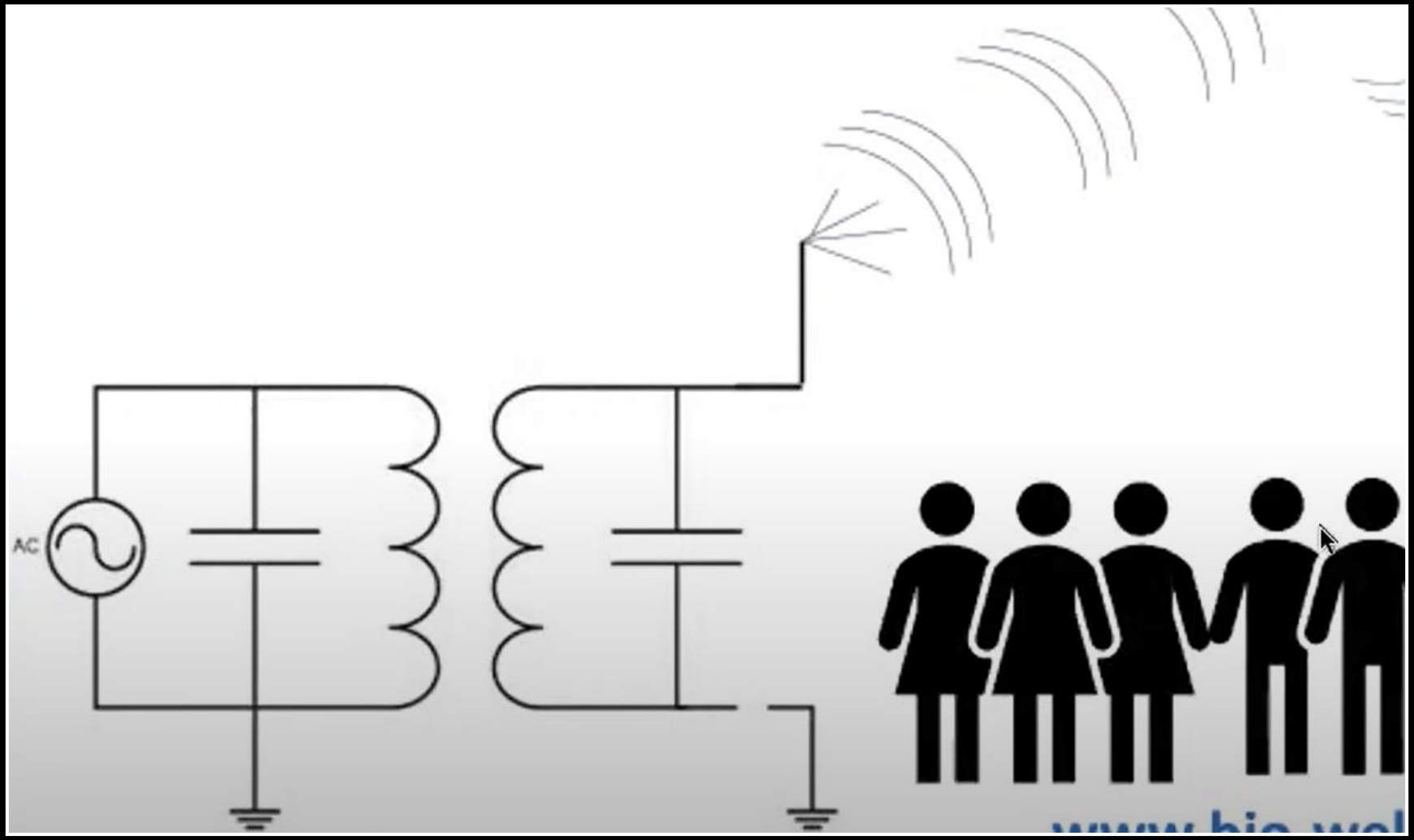



Capacitive Reactance against Frequency




- Human consciousness affect the bioenergy field
- Biowell can be used to measure changes of states of consciousness represented by changes of frequency

# Measuring consciousness




What happens when we have a group of people?

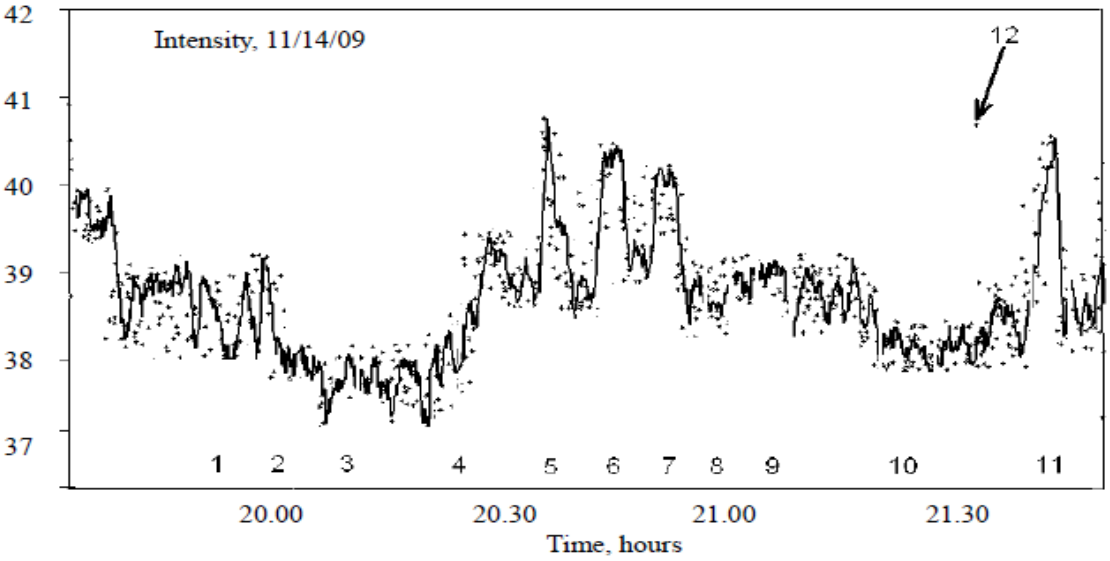



**Fig. 8. Time Dynamics of Intensity during Performance.**

Note: Solid line = line filtration approximation. Marked moments: 1 = Beginning of Ingeborg and Emoto presentation; 2 = Song; 3 = Song; 4 = Song "Shabat-Shalom"; 5 = Song "Besmilla"; 6 = Song "God is Great"; 7 = Song "OM–Shri"; 8 = Lyric song ; 9 = Child song; 10 = Song "Gati-Gati-Paragati"; 11 = Song "Kumbaja My Lord"; 12 = Emoto singing.

- Korotkov, K., Bundzen, P. V., Bronnikov, V. M., & Lognikova, L. U. (2011). Non-local consciousness influence to physical sensors: experimental data. *Philosophy Study*, *1*(4), 295-304.

# Effect of Human Emotions and Biowell

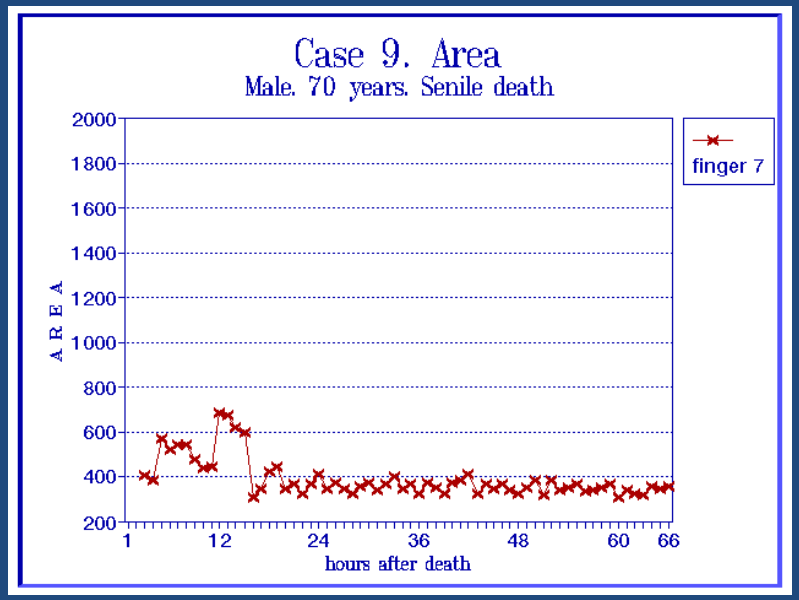
# Previous NDE studies with GDV technology

- In 1998, Dr Korotkov performed an experiment with GDV technology on 3 groups of people died under different circumstances
- Time-dependence curves of evoked Bioelectrographyarameters for 3-6 days after death were taken
- According to the character of the time-dependence curves experimental data were arranged into three groups:
- I group: “calm death” as a result of natural motives, stipulated by organism’s condition, generally in the old age. II group: “unexpected death” in the issue of traffic accident followed by craniocerebral trauma. III group: “unnatural death” as a consequence of unfavourable concourse of circumstances: a suicide, a murder, improper medical care, lungs clot. Different interpretations of the experimental data are presented.

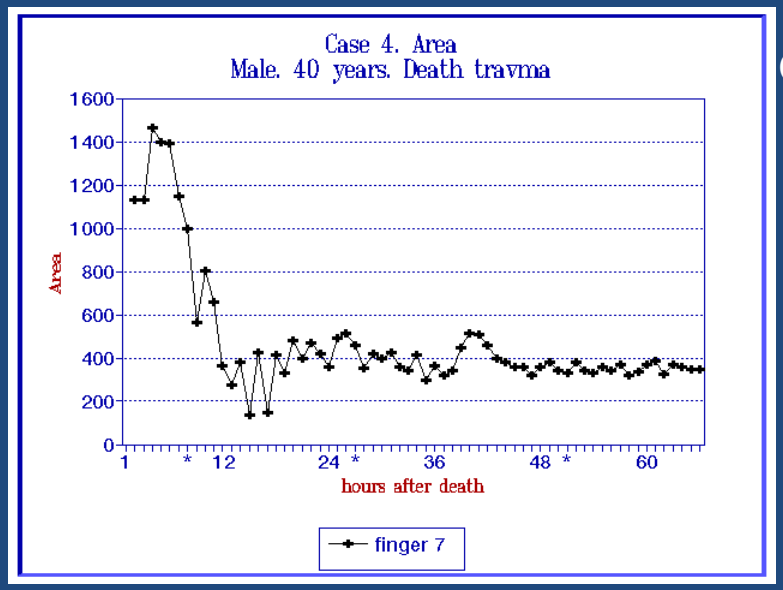
Data collection from experiment

# Change of the people's energy after death

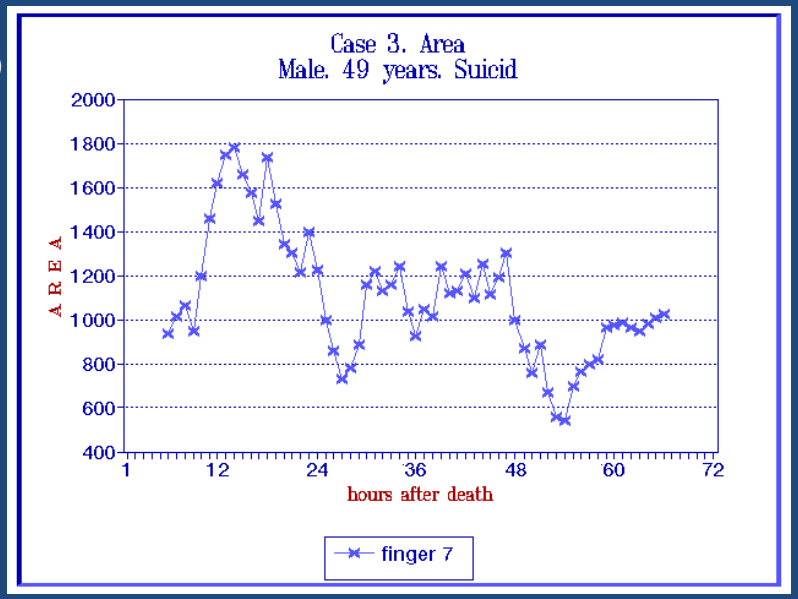
Group I



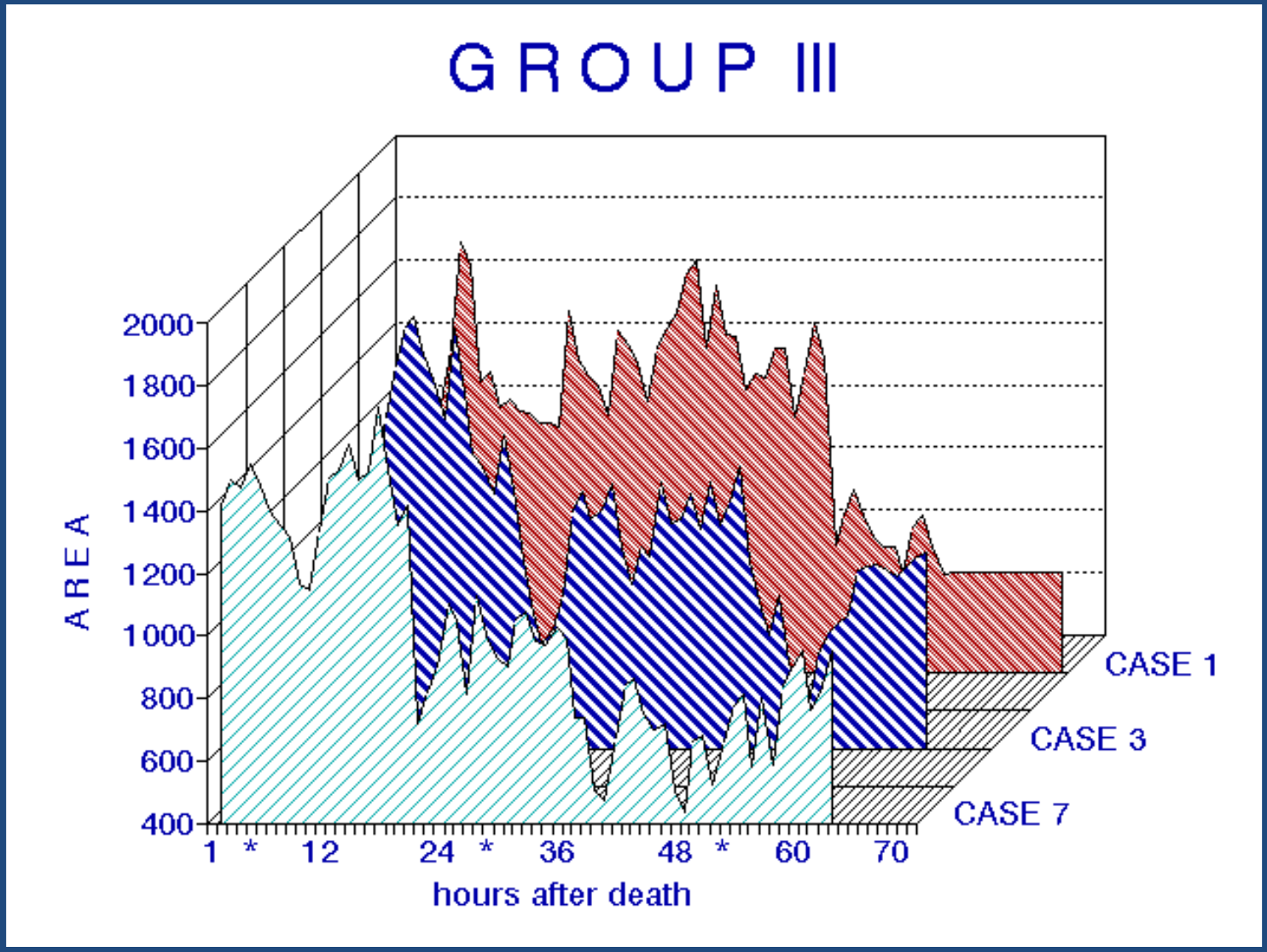

Group II




Group III



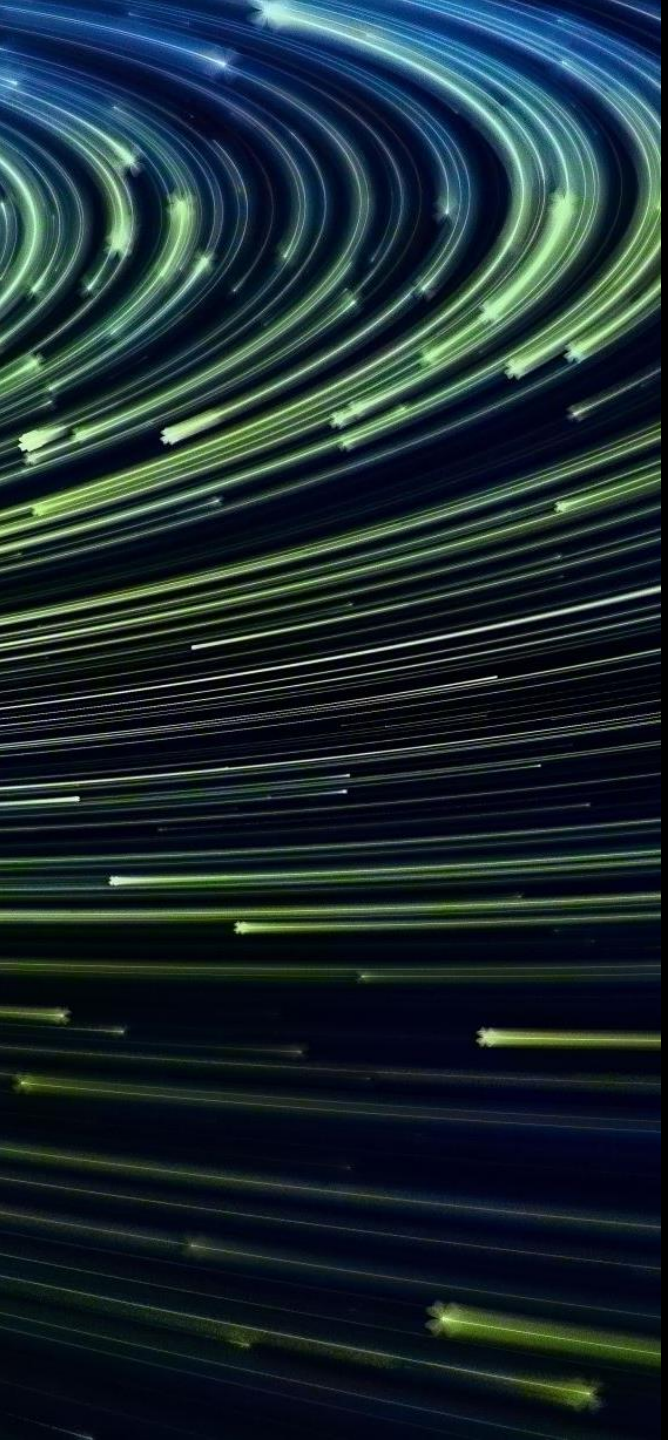
# *Human Energy After Death*



# NDE research study 2023

Before and after death data was collected

Participants experienced calm death from natural causes



# Objectives of Research

A better understanding on how human consciousness behaves at the time of death, and

A better understanding on how the human energy field is connected to the body.

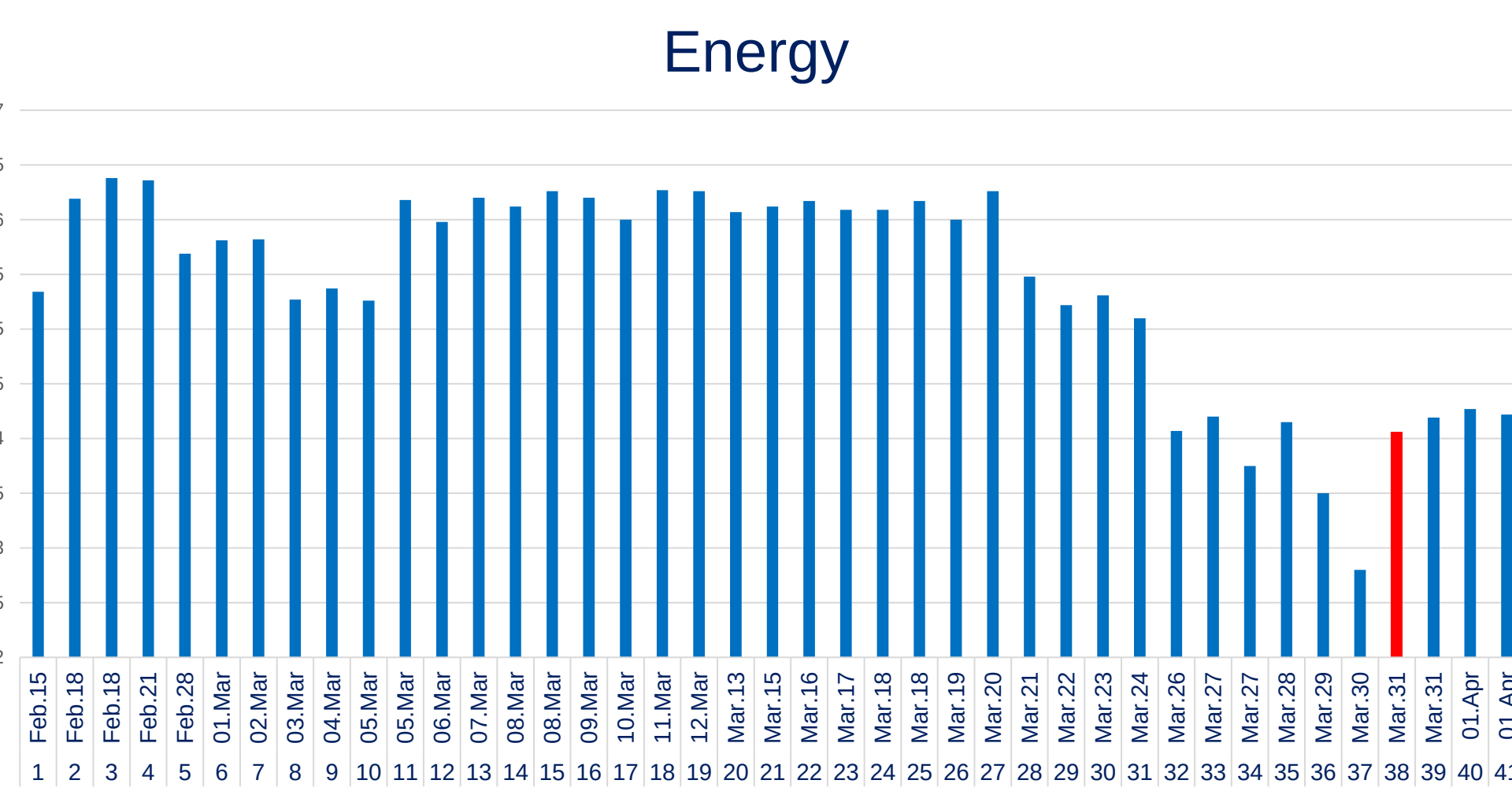
# Hypothesis

- The hypothesis is that states of consciousness have an effect in energy changes of the human energy field in near death experiences

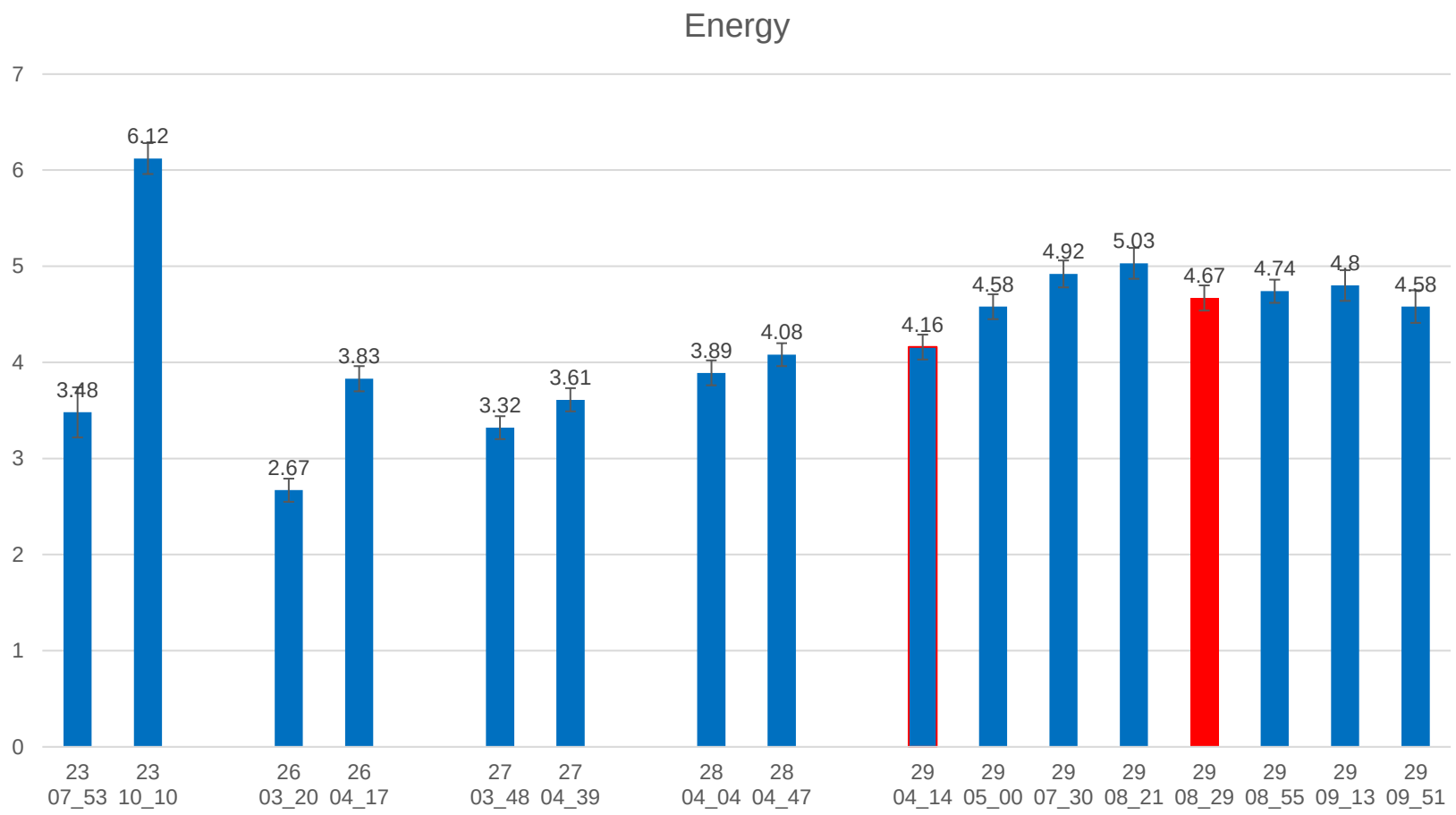
# Data collection

- Participant uses a GDV device in continuous mode by wearing a glove that helps us to collect data from the experiment's participant.
- These measurements are conducted before and after death
- The objective of this collection is to monitor statistically significant changes of energy levels during measurements.

# Participant 1



# Participant 2



# Preliminary conclusions

- There seems to be a moment of lucidity just before the moment of death.
- This seems to be consistent with the results of Perry Wilson MD of the Yale School of Medicine that reported Brain Activity Moments Before Death in his 2023 report “Surprising Brain Activity Moments Before Death” also available in youtube (https://www.youtube.com/watch?v=T-heu66p6UI)
- This increase of activity would need to be monitored in future studies to see its bevaviour and compare it with the 1998 study.