

Curriculum Vitae

Zygmunt Dzięgielewski, MSc, Eng.

Personal data

Date and place of birth	September 9, 1940, Warsaw, Poland
Citizenship	Swedish
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Languages	Polish (native), Swedish (fluent), English (communicative), Russian (communicative)

Professional and scientific summary

Author of the Theory of Real Physics (TFR) – an innovative, holistic physics concept that reevaluates the foundations of modern physics, including:

- existence of an absolute, material frame of reference (4D Singularities),
- distinguishing between absolute (Newtonian) and relativistic (Einsteinian) time,
- determining the nature of the photon and the neutrino as physical phenomena occurring in the material carrier of the Singularity (Ether and Dark Matter),
- mechanistic explanation of quantum entanglements and gravity.

An experienced engineer-constructor, manager and entrepreneur with over 60 years of experience in the electronics, technical and consulting industries. He combines many years of practical experience with deep theoretical and philosophical reflection on the nature of reality. He is professionally and scientifically active to this day.

Education

Period	Institution	Direction / Notes
1959– 1964	Warsaw University of Technology	Technical studies; obtaining a master's degree in engineering
1966	University of Warsaw	Mathematical studies (interrupted) – resignation in favour of an interesting job at the "Warel" Electronic Works – T12
1954– 1958	Technical School of Communications No. 1 in Warsaw	
1953– 1954	Adam Mickiewicz High School in Warsaw	

Period	Institution	Direction / Notes
1946– 1953	Stefan Starzyński Primary School No. 143 in Warsaw	

Professional career

Poland

Period	Employer	Position / Responsibilities
1958– 1959	Magnetic Works "Polfer"	Constructor – design and implementation of magnetic and electronic components
1965– 1967	T12 Electronic Plants	Constructor leading the " Electronic Meteorological Probes " project – supervision over the design and implementation of advanced measuring devices
1967– 1972	COBR ZSI (Central Research and Development Center for Automated Information Systems)	Designer leading projects of electronic security devices. Obtaining a patent for a smoke and exhaust gas detection sensor
1971	Warsaw University of Technology, Faculty of Precision Mechanics	Diploma thesis supervisor – substantive supervision of students in the field of electronic circuit design

Libya

Period	Employer	Position / Responsibilities
1973– 1974	BUDIMEX	Technologist of pumpable concrete production – technological supervision over the production process; Manager of the power plant and repair service of technical facilities – team and infrastructure management technical on the construction site.

Sweden

Period	Employer	Position / Responsibilities
1975– 1978	TV Jour	Service and repair of electronic devices
1978– 1990	Stockholms Radiobyrå AB	Owner and director of the company – management of an enterprise providing electronic and radio technical services.
since 1991	ZD Consulting	Company owner, consultant – technical and engineering consulting
since 2012	Definitive	Company owner, researcher – development of the Theory of Real Physics and construction of the ZDIS measuring device.

Scientific and research activities

Research area

The author's basic area of scientific interest is **the ontology of physics** – the search for a material, mechanistic explanation of phenomena that modern physics describes only mathematically. The central issue is the nature of space, time, matter and interactions.

Main scientific achievements – discoveries

1. The discovery that: the space of the Vacuum (Singularity) is a material medium - since there is a Doppler effect in it and a Sagnac gyroscope function.
2. Discovery of a universal method for measuring the absolute velocity vector in space (gas, liquid and vacuum).
3. Obtaining the mathematical formula for calculating velocity in Vacuum space (4D Singularities):

$$v = \frac{c \cdot \lambda_0}{4 \cdot \lambda_i}$$

4. Development of the design of a unique measuring device **ZD Interferometer-Scanner (ZDIS)**, designed to measure the absolute velocity vector and the gravity vector in the space of Singularities.
5. The discovery that the Singularity constitutes the fourth geometric (4D) dimension of the 3D Universe.
6. The discovery that **Dark Matter** is the gravitational subspace of Singularity matter (4D₁).
7. The discovery that **the Aether** is an electromagnetic subspace of the Singularity (4D₂).
8. The discovery that Dark Matter and Ether are the same matter constituting the Singularity (4D) and that they differ in the type of interactions they carry.
9. The discovery that the photon and neutrino belong to the space of Singularity (4D) and not to the basic system of atomic matter (3D).
10. The discovery that all photons have the same quantum energy, equal to Planck's constant. $E = h$
11. Discovery that photons differ in angular momentum (frequency of oscillation).
12. The discovery that the neutrino is the gravitational equivalent of the photon – the quantum of the gravitational elastic wave of the Singularity – Dark Matter.

13. Discovery of **gravitational viscosity** as an effect of the interaction of baryonic matter masses (3D) with the mass of Singularity matter (4D).
14. The discovery that **Dark Energy** is the energy of Dark Matter, through the gravitational viscosity acting on baryonic matter.
15. Discovery of Newtonian time as a reference time – absolute, independent of space and velocity.
16. Discovery of the possibility of **cloning Newtonian reference time**.
17. Discovery of the possibility of determining **the time dilation between** Newton's time (4D) and Einstein's time (3D).
18. The discovery of the previously unknown meaning of **the Hafele-Keating experiment of 1972, which is an empirical confirmation of the validity of the Theory of Real Physics.**

Definitions of fundamental

Within the framework of the Theory of Real Physics, the author formulated the following operational definitions:

Concept	Definition (abbreviation)
Materiality	<i>Everything that possesses mass is material; mass is synonymous with materiality.</i>
Space	<i>Space is a material medium with a structure in which physical phenomena occur.</i>
Time	<i>Time is a scalar positive quantity created by man for the purpose of chronological ordering of events.</i>
Field	<i>A field in a space is created by ordering that space.</i>
Photon	<i>The photon (4D) is the quantum field of the rotating masses of the Duon in the Ether, with an energy equal to Planck's constant.h</i>

Concept	Definition (abbreviation)
Neutrino	<i>Neutrino (4D) is a quantum of energy of an elastic gravitational wave in the gravitational space of the Singularity - Dark Matter, Neutrino is the gravitational equivalent of a photon</i>
Gravity	<i>Gravity is the interaction of masses of atomic matter (3D) in the gravitational space of the Singularity (4D).</i>
Quantum entanglement	<i>Quantum entanglement is an initiated and inseparable coupling of quanta of atomic matter (3D) with matter of Singularity (4D).</i>
Measurement	<i>Measurement is a method of obtaining information about the object being examined, using the physical phenomenon of interaction.</i>

Publications and scientific communications

Year	Title / Description	Status
2024	"Theory of Real Physics" – a full theoretical study containing postulates, definitions, derivations and an experimental proposal	Author's study
2024	"Absolute velocity and gravity in the space of Singularity (4D)" – a paper presenting the key assumptions of TFR and the results of the reinterpretation of the Hafele-Keating experiment	In preparation for publication

Patents and inventions

Year	Title	Scope
1970	Smoke and exhaust gas detection sensor	Safety device; patent obtained while working at COBR ZSI

Conferences and speeches

- No possibility.
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Teaching activities

Period	Institution	Scope
1971	Warsaw University of Technology, Faculty of Precision Mechanics	Supervisor of a diploma thesis in the field of electronic system design.

Research projects (selected)

Period	Name / Description	Role
1965–1967	"Electronic Meteorological Probes"	Guide Constructor

Period	Name / Description	Role
1967– 1972	Electronic security devices , e.g. smoke and exhaust gas detector)	Guide Constructor
2012–	Theory of Real Physics (TFR)	Author, Principal Investigator
2012–	ZD Interferometer-Scanner (ZDIS)	Constructor, Chief Designer

Awards and distinctions

- No formal scientific awards; the main recognition for the author's work is the development of the Theory of Real Physics and the construction of ZDIS.
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Membership in scientific organizations

- No formal membership; the author conducts research independently.
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Additional skills

Area	Scope
Engineering	Electronic construction, design of safety systems, production technology.
Management	Technical team leadership, project management, entrepreneurship

Area	Scope
Scientific research	Theoretical physics, astrophysics, methodology of science, analysis of experimental data.
Languages	Polish (native), Swedish (fluent), English (communicative), Russian (communicative)

Non-scientific interests

- **Sport** - Canoeing, sailing, skiing – active athlete
 - **Travels** – visited, among others: Dubai, Hawaii, Hong Kong, Indonesia, Japan. USA
 - **Astrophysics** – especially the issues of space, matter, fields and consciousness.
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Research inspiration

Curiosity.

Disclaimer

I declare that all the information provided is true.

Zygmunt Dzięgielewski

Stockholm-Bandhagen, 26-09-01

