



The 2004 Rolex Awards for Enterprise

Cover Page

Application: @1443
Family name: Chakalov
First (given) name: Dimiter
Title: Mr.
Preferred language: English
Project Title: CD ROM "Physics of Human Intention"

The scope of my project is enhancing human performance. I would like to print my CD ROM "Physics of Human Intention" (PHI) and distribute it free of charge, hence need financial support. The testable predictions of PHI come from a new effect of the human brain, called Brain-Controlled Cold Plasma (BCCP), with a wide range of possible applications, from nanotechnology (directed growth of crystals) and mind-controlled systems (Dalle Molle Institute for Perceptual Artificial Intelligence, Martigny) to natural healing or Naturheilverfahren. The final beta version of my CD ROM will be send to The Secretariat of The Rolex Awards for Enterprise on September 9, 2003.

Section 1

Date of birth: June 23rd 1952
Nationality: Bulgarian
Gender: Male

Home address *

| | |
|-----------------------|--------------------------|
| Street | 28 Al. Stambolijsky Blvd |
| City | Sofia |
| Zip or postcode | BG-1000 |
| County or State | Sofia |
| Country | Bulgaria |
| Home telephone number | +359-2-986-56-62 |
| Home fax number | +359-2-986-56-62 |
| Home e-mail address | dchakalov@surfeu.at |

Professional address

| | |
|---------------------------------------|--------------------------|
| Professional title (where applicable) | Freelance IT consultant |
| Company | Self-employed |
| Street | 28 Al. Stambolijsky Blvd |
| City | Sofia |
| Zip or postcode | BG-1000 |
| County or State | Sofia |
| Country | Bulgaria |
| Work telephone number | +359-2-986-56-62 |
| Work fax number | +359-2-986-56-62 |
| Work e-mail address | dchakalov@surfeu.at |

* Mailing address

Section 2 - Professional Qualifications

2A. Present Occupation

Freelance IT consultant

2B. Professional Experience

Self-employed

2C. Education and Qualifications

University of Sofia, School of Psychology, 1981-1984.

Section 3 - The Project

3A. Detailed Project Description

The print cost of the CD ROM "Physics of Human Intention", roughly estimated, is 8,000 Euro. As to the experimental verification of the predictions of PHI, I need to work in some advanced psychophysiological lab equipped with modern biofeedback facilities and gamma-range EEG. The task is to enhance the process of binding & anticipation, as working in the 80-300 msec range of pre-attention: preattentive processes (also 'indirect attention') flow constantly "in the background" of conscious perception, they might rely heavily on the synchronization of multi-frequency oscillations, and hence should not be confused with automatic processes. The challenge is to 'elevate' the preliminary memory search in the binding process into the level of consciousness, identify this shift by its EEG/MEG pattern, and use it for feedback training. Introspectively, this shift corresponds to a distinctive feeling of the type 'at the tip of the tongue effect' (like when you've forgotten a name or phone number but it stays at the tip of your tongue), and is accompanied with a unique 'slowing of time' effect, as if you watch the world around you in slow motion, so you can focus on it much better, because you have more "time" to do it. (Some athletes have experienced this altering of the subjective time flow, too.)

3B. Project Duration and Schedule

Six months for printing the CD ROM, start on March 1, 2004 and finish on August 31, 2004. As to the brain training and the verification of the putative BCCP (please see Cover Page), I would need at least two years of intensive work before being able to prove/disprove such effect of the human brain.

3C. Project Budget

CD ROM "Physics of Human Intention"

Individual budget entries:

| Description | Amount | Currency |
|-------------------------------------|--------|----------|
| CD ROM "Physics of Human Intention" | 8000 | Euro |

Uploaded budget files:

| Title | Date | Size |
|-------|------|------|
| none | | |

Section 4 - References

4A. Project References

Name N/A
Title or position
Address
Telephone
Fax
E-mail

Name N/A
Title or position
Address
Telephone
Fax
E-mail

Name N/A
Title or position
Address
Telephone
Fax
E-mail

4B. Co-workers

Name N/A
Title or position
Role in project
Qualification
Address
Telephone
Fax
E-mail

Name N/A
Title or position
Role in project
Qualification
Address
Telephone
Fax
E-mail

Name N/A
Title or position
Role in project
Qualification
Address
Telephone
Fax
E-mail

Section 5 - Other Sources of Support

5A. Financial support

not applicable

5B. Media coverage

None

5C. Support for previous projects

None

Section 6 - Enclosures

Enclosures sent by post:

No. Title and Type of Enclosure

- 1 Final beta version of CD ROM "Physics of Human Intention", release date September 8, 2003

ENCLOSURES SENT WITHOUT THIS LIST WILL NOT BE ACCEPTED.

The Rolex Awards for Enterprise
P.O. Box 1311
1211 Geneva 26
Switzerland

For express mail, special deliveries or courier consignments, please use the following address:

The Rolex Awards for Enterprise
Rolex SA
Rue François Dussaud 7
1211 Geneva 24
Switzerland
Tel: +41 22 302 22 00

Enclosures sent as electronic attachments:

| Title | Date | Size |
|------------------------|-------------|-------------|
| Photo of Dimi Chakalov | 2003-09-09 | 14Kb |

All enclosures must reach the Secretariat by the deadline applicable to your geographical region. Any support materials arriving after this date will not be accepted.

No extra information will be accepted at a later date, except when specifically requested by the Secretariat of the Rolex Awards, the Selection Committee or external experts appointed by Rolex SA.

Validation Page

I declare to the best of my knowledge and belief that all the statements made and particulars given in this application form are true. I certify that I am the author, or, in the case of a group application, the chosen representative, of the ideas represented in this project. If I receive an award, I pledge to put it to the exclusive use of the project described in this application. I have read and I accept the Rules and Conditions of the 2004 Rolex Awards for Enterprise which accompany this entry form.

Date: September 9, 2003

Signature of applicant: Dimiter Chakalov