

**A Collection of Research Processes for  
Genealogy and Proofs**

**VOLUME THIRTEEN, SECTION 94**

**Copy of the Letters Which Were Sent to Academic Communities  
in Bulgaria in 1997**

by

**Dr. Dong-Keun Shin**

- The first section in this volume contains the correspondence with Professor Donald E. Knuth at Stanford.
- A list for the country's school names is included only once in this section for one or two national leaders.

March 1998

Submitted to the Chair of  
Department of Electrical Engineering and Computer Sciences  
College of Engineering  
University of California, Berkeley  
Berkeley, CA 94720  
U. S. A.

**Building Management**  
**Hwa Shin Building**  
**705-22 Yuksam-dong, Kangnam-gu**  
**Seoul 135-080**  
**Republic of Korea**  
*Faxes: 82-2-565-7907, 82-342-718-9789*

February 4, 1997

President Zhelyu Mitev Zhelev  
Office of the President  
2 Dondoukov Boulevard  
1123 Sofia  
Bulgaria

Dear President:

It is a great honor to write a letter to you. My recent correspondence with Professor Emeritus Donald E. Knuth at Stanford University tells me that I need to ask your country's opinion about my research in Computer Science. I have attached our correspondence so that scientists in Bulgaria may criticize and evaluate my ideas. I am also sending my letter and correspondence to presidents (or equivalent ones) of universities and colleges in Bulgaria as shown in the enclosed list. Please allow and support them to investigate my research results. Scientists may read *A Collection of Research Processes for Genealogy and Proofs* which were submitted to the chair of Electrical Engineering and Computer Sciences Department at the University of California, Berkeley in the USA. The papers that I sent to Professor Knuth are included in Section 17, Volume 2 of the collection.

My major accomplishments in Computer Science have been: (1) discovering Shin's massive cross-referencing (or Shin's join) algorithm, the best algorithm of its kind to date, (2) discovering Shin's (mapping) hash function, the best hash method to date, and (3) verifying that there is no distinguishable difference between the distribution performance of one RGDI (relatively good and data independent) hash function and that of another when surveying hash functions. Based on the first verification of the kind, I have come up with the hypothesis that the phenomenon of relatively good solutions is present in each group of polynomial time solutions for complex problems that basically require exponential time algorithms as solutions. If the important verification and discoveries really belong to me, I believe I have made the greatest contribution to Computer Science.

I openly invite any effort from academic communities to scrutinize my work. If Bulgaria reaches any conclusions disputing my findings, please provide your opinion to Professor Knuth or me. If what I believe is true, please support me to lead computer science academia. I need your official endorsement. Thank you for your time. I will pray for your country.

Sincerely,



Dr. Dong-Keun Shin

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705-22 Yuksam-dong, Kangnam-gu  
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Republic of Korea  
Faxes: 82-2-565-7907, 82-342-718-9789

February 4, 1997

Prime Minister  
Office of the Prime Minister  
1 Dondoukov Boulevard  
1194 Sofia  
Bulgaria

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# **Bulgaria**

(7 schools)

American University in Bulgaria

Higher Machine-Electrotechnical Institute

Higher Machine-Electrotechnical Institute

Higher Machine-Electrotechnical Institute

Veliko Tarnovo University

Higher Pedagogical Institute

'Konstantin Preslavsky'

Higher Technical School 'A. Kanchev'-

Rousse

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February 4, 1997

President  
Office of the President  
American University in Bulgaria  
2700 Blagoevgrad  
Bulgaria

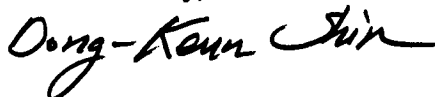
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Please convey this letter to your school's Computer Science/Engineering faculties, Board of Trustees, Provost, Secretary-General, International Relations, Registrar, or anyone else whom it may concern. I openly invite any challenge from your academic community to criticize my work. If your school reaches any conclusions disputing my findings, please provide your opinion to Professor Knuth or me. Thank you for your time.

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cc: Chair, EECS Department, College of Engineering, U. C. Berkeley, Berkeley, CA 94720, U.S.A.

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705-22 Yuksam-dong, Kangnam-gu  
Seoul 135-080  
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February 4, 1997

President  
Office of the President  
Higher Machine-Electrotechnical Institute  
4 Hadji Dimitar Str., 5300 Gabrovo  
Bulgaria

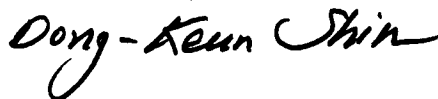
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cc: Chair, EECS Department, College of Engineering, U. C. Berkeley, Berkeley, CA 94720, U.S.A.



(to be filled with more letters)

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Hwa Shin Building  
705-22 Yuksam-dong, Kangnam-gu  
Seoul 135-080  
Republic of Korea  
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February 4, 1997

Rector  
Office of the Rector  
Higher Technical School 'A. Kanchev'-Rousse  
8 Studentska Str., 7017 Rousse  
Bulgaria

Dear Rector:

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Republic of Korea  
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February 4, 1997

Minister of Science and Education  
Ministry of Science and Education  
blvd. Stamboliiski 18, 1000 Sofia  
Bulgaria

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February 4, 1997

President  
Legalization Commission  
blvd. Maria Louisa 22, Sofia  
Bulgaria

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February 4, 1997

Chairperson  
Higher Attestation Commission  
Bulgaria blvd. 1, 1463 Sofia  
Bulgaria

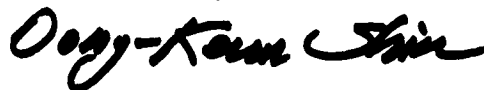
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National Commission of the Republic of  
Bulgaria for Unesco  
blvd. Al. Jendov 2, 1113 Sofia  
Bulgaria

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