

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

**VOLUME TWELVE, SECTION 89**

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

by

**Dr. Dong-Keun Shin**

- 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 Gonzalo Sánchez de Lozada Bustamante  
Office of the President  
Plaza Murillo  
La Paz  
Bolivia

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 Bolivia may criticize and evaluate my ideas. I am also sending my letter and correspondence to presidents (or equivalent ones) of universities and colleges in Bolivia 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 Bolivia 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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February 4, 1997

Prime Minister  
Office of the Prime Minister  
Plaza Murillo  
La Paz  
Bolivia

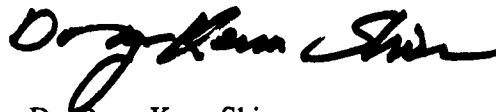
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# **Bolivia**

(4 schools)

Technical University of Beni 'Mcal. José  
Ballivian'-Trinidad-Beni  
Technical University of Oruro-Oruro

Autonomous University Tomás Frías-Potosí  
Juan Misael Saracho University-Tarija

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February 4, 1997

Rector  
Office of the Rector  
Technical University of Beni 'Mcal. José  
Ballivian'-Trinidad-Beni  
Calle Sucre, Casilla Postal 38, Trinidad-Beni  
Bolivia

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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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Dr. Dong-Keun Shin

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

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

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Office of the Rector  
Technical University of Oruro-Oruro  
Avenida 6 de Octubre 1209  
Casilla Posta 49 Oruro  
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Avenida del Maestro, Casilla Postal 36, Potosí  
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February 4, 1997

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Office of the Rector  
Juan Misael Saracho University-Tarija  
Avenida Las Américas 0149  
Casilla Postal 51 Tarija  
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February 4, 1997

Minister of Education and Culture  
Ministry of Education and Culture  
Avenida Arce 2408, La Paz  
Bolivia

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February 4, 1997

Secretario Ejecutivo  
Executive Committee of the Bolivian Universities  
Avenida Arce 2606, Casilla Postal 4722, La Paz  
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Presidente  
Bolivian National Commission for Unesco  
Ministerio de Educación y Cultura  
Avenida Arce 2408, La Paz  
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