Betwee 1068, Professor Six product in the Military Electronic Pleasanth Assistmy, Since 1958ins has contest in the Driness Astroparasindustry. He has been headed the Telematry Laboratory. He a President of Bosing Research holding of Spening and Soneral Minapprof Between American Minapprof Serving Astropacy Minappendict and Spening Period Technology Development Company. He was a member of the Oriental Servingson enterprise Hillattic, aplantand Oriental measurement, and children plantar and diseason of Oriental years of Children Scientific Parish States of Child

At the come time as the worked on the thereupone industry, Professor. Dri cerued as a professor of both Harbin University and the Beijing sharrageans University, as a judgementmental of Chinese Torch Planet the Harbinstonal Committee of Scionce, and as tice President of the Military Standard Committee.

Professor Shi is married to Chen. J. Jia, who retired to 1986. She had been amployed at the Tax of Export & Import Provings Trade Company for the whole of har working life. Professor and Mrs Shirness three sons: Shi Yuo who is working in the Chinese Suelty Cortificate Contex; Shi Lan is working in a company of YSAS, and Shirling, who is a Camellarustians afrom an architeg as an amplicited manager of the Japanese Sheel Co in Toronto.

#### Unit of honours.

- The Not and second prevention. Won the Cheese Retirent Scientific Meeting Assert. (The second systemis the first Chinasa semiconductor telemotry system).
- Our to the third generation by was one member of the special class of 1981 Chinese Science and Technology Award. (The Strid generation is a recovering system)
- The fourth persention. Plan the first state of Chinese Hastonel Science and Technology Award in 1995. (It is a date flow parallel acquieton austoria
- 1981 wor the title of mobil worker of Chinese Minutey of Aerospean.
- 1. Enjoyed Dicease government Habonal Albrauman.
- 6. When the filler of Chineses Specialist of \$50 files.

## PERSONAL EXTRACT

I did not study in primary action, my primary education was perfected at home, but the outland foundation was consultational. At sensor resides salaural I always get high marks, expeniedly in mathematics, physics and English language. While stractional had a large influence on my closestates and toechers, and my studies at Chinese historial Plu Past Literatury were very successful. I won like Englisheding Assistancy, followance, prohonour that was serviced to only over studies in any overyear.

During my working life, I have fact two policits where I have first to study hard. The first period of time was

instances 1998 and 1992, after my lank was to sharige the houndation from communication to correspond tolerappy fined to learn about extellite, missile, telementy and statistical mathematics. The second period of great study see 1999-1997, when I worked do a Standing Member of the Standist, and Technology Committee. I had studied for Journals of TC profift? Solinar increase detail about telemetry-development/statey undis discover the development trend. At this limit to determine the Orimoselike surement and Soutral 15 year-development. 1997.

My provider in to decidate my time to the basit in hund; arching with young angineers at the forefront of our profession. For example, between NFR and 1981-05, ring the perfection of the third generation systems, I worked for ready times you're retired being time-off on burstays and/includes.

#### PUBLICATION HIGH-LIGHTS.

"Several Problems inchinese Sevelopment of Selementy Sectorings"

"Chinese Development on Aerospase Technology Stream" Station"

"The Factors influencing the performance of Multiple Processor System for Telemotop Date Acquisition and Processors"

"O'Nineue New Telemetry Cobused System"

"Now Severipments" (Streets Orbosis (State Augustion" "A new TTEC areater"

"The AD strumbs of model unide level determiny ground" station"

"Teals/proceeding fate-fine-construction"

"International telemetro data acquisition new technology"

"The important development of an Joint university measurement problems application inclinately."

PC-computer interestiny station"

"Draw whose to International COSSIS standard"

"Space-data storage"

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The opinion of Chinese researcement and command.

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Summary-phatematry tiets IPC\*

Multi-targets intoro-measurement technology equipment "Several lections problems of telemotry-disvellament trend"

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# **Dr Dong-Keun Shin**Independent Researcher in Computer Science

### **CONTACT DETAILS**

Hwa Shin Building 7th Floor, 705-22 Yuksam-dong Kangnam-gu Seoul Korea

#### **PERSONAL**

Married to Helen Chang, MD 2 sons

#### CAREER

Engineer Analyst Programmer

#### HIGHLIGHTS

A Korean-American researcher, who claims world leadership in computer science and related technologies, conducts independent research to complete his theories and practices.

The son of Chul Ho Shin and Yoon Ok Kim, Dr Shin was born on 13 June 1959 in Incheon, South Korea, and he grew up in Seoul. From the time he was very young, he had dreams about creating his own theoretical world. After graduating from Po Sung High School in Seoul, he emigrated to the USA with his family in 1978, for better education. To make his dream come true, he chose to study computer science since the relatively new field provided good opportunities in research and industrial applications. Dr Shin received degrees in computer science from the University of California at Berkeley and the George Washington University. He worked for the former university's EECS Department as academic computing co-ordinator in his undergraduate years, and lectured in computer hardware and software courses at

the latter in his graduate years. As an engineer, analyst or programmer, he has worked at several companies, including BT-Dialcom, Xerox, CBSI, SRA and SECL. His current research interests include computer science theory and database systems.

While surveying hash functions for his doctoral dissertation, Dong-Keun Shin was the first to verify that there is no distinguishable difference between the performance of one relatively good and data-independent hash function and that of another. Dr Shin coined the term "phenomenon of relatively good (RG) solutions" in reference to the verification. Based on the first verification, he developed the hypothesis that the phenomenon of RG solutions is present in each group of polynomial time solutions for complex problems that basically require exponential time algorithms as solutions. He is preparing to verify the hypothesis for other complex problems. He has also contributed significantly to computer science by discovering and proposing best algorithms in the areas of sorting, hash functions, massive cross-referencing or the join database operation, and polygon clipping. His papers show that his algorithm for massive cross-referencing or the join, with its several versions, is best of its kind to date and his (mapping) hash function is the best hash method.

In early 1997, Dr Shin offered a challenge to the world's academic communities and computer scientists to refute the legitimacy of his verification and discoveries, as well as his claim to having made the greatest contribution to computer science. At that time, he sent letters to each nation's one or two highest political leaders, ministers of education or equivalent, and heads of major universities and colleges in about 170 countries. Armed with his accomplishments, he expressed his desire to gain leadership in computer science academia through fair competition. He believes that any computer scientist with only a theory or idea can participate in such competition to win, regardless of racial, educational or social background. He also believes that the competition will create the academic hierarchy's uppermost group which must be very small. Computer scientists, who are examined through the competition and included in the group, will influence present and future students in the world for a greater understanding of computer science. He thought that as the highest achiever in computer science he needed to take the mailing action to verify that his ideas were truly under his ownership and to stop any plagiarism. The schools to which he sent his challenging letters numbered over 4,300, but he has encountered no serious challenge as yet.

Moreover, on 3 July 1998 Dr Shin discovered a new sorting algorithm, Shin sort, which is the best solution to the problem of sorting and searching. This new algorithm secured his victory in the battle for world leadership in computer science. In April 1999 he sent letters to 1,200 press-related organisations worldwide. In his letters to the

press, he proclaimed that he would lead people in computer science from the beginning of the 21st century, if no challenge arose. His letters leave the world's computer scientists two options: to compete with him or to follow him. If he loses, he will send letters to the world to announce the winner of the competition and will support the winner in his new leadership for world's computer science academia.

After designing and implementing a prototype of his sorting and searching software, he will eventually develop it into a Shin sort and search database management system (S3DBMS), S3DBMS creates Shin's trees in main or local memory for fast text/image/sound data retrievals. His press release in April 1999 shows that his sorting and searching scheme that traverses Shin's tree will replace current sorting and searching algorithms, hashing schemes and hash tables, and most trees including Btrees, due to the Shin sort/search algorithm's theoretical superiority. He believes that Shin sort will be used in most database systems and computer-based systems in future. As discoverer of the best solution for the sorting and searching problem, he may enjoy certain privileges, such as the right to write about sorting and searching theory and the publication of computer science textbooks.

Further details of Dr Shin's achievements can be found in both his website: www.dkshin.com and his research collection entitled "A Collection of Research Processes for Genealogy and Proofs", thirty volumes of which have currently been submitted to the chairperson of the EECS Department, University of California at Berkeley. In Seoul, Korea, he has once lectured on computer-based systems for an introductory course at the University of Maryland's Asian Division. He is also involved in managing his familyowned Hwa Shin Building in downtown Seoul. Although life at the top in any field usually involves a lot of sacrifice, he is trying to enjoy the situation he is in. He spends time in communicating with the Creator through his prayers and reading the Holy Scripture. Dr Shin will be living proof that the Creator allows a scientist to have what he has dreamed about.

## **PERSONAL EXTRACT**

Although I have accomplished my long-held dream of owning a theoretical world, I want to serve mankind further with my creative talent. I plan to continue conducting computer science research and industrial computer applications, and to publish my theories and ideas in the computer science/engineering field.

#### **PUBLICATION HIGHLIGHTS**

Books and Papers:

"A Comparative Study of Hash Functions for a New Hash based Relational Join Algorithm", 1991

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"A Sorting Method by Dong-Keun Shin", 1998



Grace Teag-Wen Sha

Computer Programmer: Chamiel

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#### PERSONAL ESTRECT

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# By Christopher P Silva

Contract Engineer

#### CONTACT DETWOOD

DETRO Monomente Place Plancho Patra Simbra CA-90070-0000 USA E-mail chrisp, silve@soro.org

#### A RECEIPT

1980, Mention of the Sederical Staff, The Amospace Distinction SSSapports, California

1995, Senior Member of the Technical Staff, The Removed Exposition, Et Segundo

1995., Engineering Speciatric, The Assospece Experision Stranguist

# Michel Joseph

Bit American angineer whose expertise lies in the uses of thinkinal unchnomineer engineering.

The Christophia Patrick/Stramenations and Shinnak's Day, 1964, in Fortuna, Cathernia, to parents of Perhapses almostic Joseph S Sha biscoursell, alumbanishtering between and black 1,158 or, almost sold, the was toked in the Sell, where he had not not at tracted 29 years, From the tempirality, the parents mattered to benulationg use of Villago, Poph Strambanis and appricant facility. As a democracy of the parents for the democracy in the transfer product of the security of the parents and automorphism for the many stramphanesis path from the many stramphanesis. Early so, the

elliphopmii a malonal aptitude for mathematics, studying advanced mathematics ingrammur anomigh actions, and onlineous. Perpetingsted and wor several mathematics tournaments purposed proteous State Grovensty, White St Poliusa Strong High School, his interests furnate to technical distensing and likeliholism as need, where he play new several literature is the literatural proteous (for example, Sealed Strong to No. (and proteous for example, Sealed Strong to No. (and proteous for example, Sealed Strong to No. (and purior unit partie).

Given these talents and interests. Or blink was encouraged and street into the field of electrical regimenting (EE) britishesterous mathematical basis. He referred the Callege of the Restaurate to propare for his transfer to the University of Guilloria at Berkeley (LODS as ejunior Againsts was patterny offsetterous intechnical subjects, coming in the second year. For example, on Calletterous Physics Studented the Pear-Assert have the American Association of Physics Studented the Pear-Assert have the American Association of this Dispress in Engineering Proparation in Jone, 1986; was accepted for transfer to USB anotheromedistely began common school their barton his purior year startes.

Although indials, humbleshorter diffusionism competition. based at the prestigious SCB treatactors, Dr Silva propmore applied himself to his studies, and carried several homeurs during/six-undergradustaneouss. Phase homeurs ranged from being decision a UE Women School for stitlering a Highest Horsson Distriction on the Bacheteof Science Degree to Decircul Engineering (SS) that he received in June of FIRS He was admitted to products stadies at LCB, where he surred a bleaters of Science-Degree In E.E. in May 1985, and eventually his Philips May 1980 after feeling left for File Merospace Corporation in September 1989. During this time he received total liniancial augment from honorary substantion, and biliteration, including a there your National Relayur. Promistion Pallmonities, second solenhootist supportions article based in a band in College big.

It is thorough these formative years that the was influenced by his research advisor and member in medical problems (Laur G. Chear - a senici remain remarkable transfers simultand systems fractly - reusing torsiness engineering to his finishing everation. This has stage in the downtopment of engineering, which fluidborsely had been downtopment of engineering, which fluidborsely that been downtopment of transmissional solitority and applications, ranging from generalized someountailizes using share any surely for the research image comprisesion technology hound in multimade 50% such as Microsoft Engars. Sr Situa is over gratery to Problemsor Ches for the enthusiasm, outperful and encouragement in adopting the nonlinear reself.

With sall but his dissantation reach completed, Dr. Drive Info UCDE: the summer of 1998 and begans over year period of intending recounts porthe analytical detection of chans.