

ALEXANDER PRIVEN
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Sejeong, Korea

OBJECTIVE:

Glass researcher / consultant / trainer
Software developer / data analyst

SUMMARY:

Experienced material glass scientist with ~50 publications
PhD (1998, technology of silicates); Doctor of technical science (2002, chemistry of solid substances).
Software developer with long-year experience in database projects

Glass science:

An author of the mathematical models describing dependence of multiple properties of glasses on their chemical composition, thermal history (annealing, shrinkage, etc.) and other factors.

One of the authors of the SciGlass Information System (<http://www.sciglass.info>)

Systematic innovations:

A co-author of a new approach to the analysis of competitive advantages of artificial products, with knowledge of systematic innovation technologies, such as TRIZ and qualimetry.

Software development:

More than 10 years of result-oriented, extensive experience in the development and maintenance of application software, and material science. Solid teamwork experience.

Took part in the development of several electronic information systems for the material science and chemical industry and other projects.

EDUCATION:

St.-Petersburg Technological Institute (St.-Petersburg, Russia)
Doctor of technical science degree in 2002.

Institute of Silicate Chemistry, Russian Academy of Sciences (St.-Petersburg, Russia)
PhD in Technical Science, 1998.

Kharkov Polytechnic Institute, Kharkov, USSR (Ukraine)
M.S. in Glass Technology, 1984

EXPERIENCE:

11/2014 – to now Research associate
Corning Korea Glass Technologies

06/2014 – to 10/2014 Chief engineer – software developer
EPAM Systems, Russian department, St. Petersburg, Russia

01/2000 – 05/2014 Team Leader / Software Developer / Consultant
Institute of Theoretical Chemistry, Newton, MA, USA

04/2006 – 12/2011 Researcher / Consultant
Corning, Inc., Corning, NY, USA

09/2003 to 08/2005 Consultant
Samsung Corning Precision Glass Co., Asan-City, ChungNam, Korea.

1996 – 2000 Software developer / Researcher
Thermex Joint-Stock Co., St.Petersburg, Russia.

LANGUAGES:

- Spoken & written English
- Basic Korean
- Native Russian
- Fluent Ukrainian

Appendix: MAIN PUBLICATIONS

(a) Glass science

A. I. Priven: Methods of Prediction of Glass Properties from Chemical Compositions; in: J. W. P. Schmelzer, I. S. Gutzow, O. V. Mazurin, A. I. Priven, S. V. Todorova, B. P. Petroff. Glasses and the Glass Transition. - Wiley-VCH Verlag GmbH & Co. KGaA, 2011, p. 255–309 (available via Google Books), [http://books.google.co.in/books?hl=en&lr=&id=B8JBgLCqeXUC&oi=fnd&pg=PT9&dq=A.+I.+Priven:+J.+W.+P.+Schmelzer+"Glasses+and+the+Glass+Transition"&ots=s_PboE_B50&sig=N2kP90uQtIjnCPbMad06wmrDiyw&redir_esc=y#v=onepage&q=A.%20I.%20Priven%3A%20J.%20W.%20P.%20Schmelzer%20%22Glasses%20and%20the%20Glass%20Transition%22&f=false](http://books.google.co.in/books?hl=en&lr=&id=B8JBgLCqeXUC&oi=fnd&pg=PT9&dq=A.+I.+Priven:+J.+W.+P.+Schmelzer+)

A. I. Priven and O. V. Mazurin: "Heat capacity of glass melts"; in: Handbook on the properties of glass-forming melts / Ed. by L. D. Pye, A. Montenegro and I. Joseph, CRC Press, Boca Raton, Florida, 2005, <http://www.crcpress.com/product/isbn/9781574446623>.

A. I. Priven: "General Method for Calculating the Properties of Oxide Glasses and Glass-Forming Melts from their Composition and Temperature"; Glass Technol., vol. 45, Dec 2004, no. 6, p 244-254
<http://www.ingentaconnect.com/content/sgt/gt/2004/00000045/00000006/art00001>

(b) Systematic innovations

A. I. Priven and A. T. Kynin: "A phenomenological model of parameter growth in engineering systems"; Int. J. Systematic Innovations, 2012, vol. 2, No. 2, p. 9-23, <http://www.ijosi.org/index.php/IJOSI/article/viewArticle/69>

A. I. Priven and A. T. Kynin: "Competitive parametric analysis of the conflicts between the functional and cost parameters of engineering systems", Humanities and Science University Journal, 2013, No. 5, p. 43-51.
<http://unipress.pro/catalog.php?pid=49&aid=1094>

(Proceedings of international conferences are not included)