SVILEN BOBEV, PROFESSOR
Department of Chemistry and Biochemistry
University of Delaware / Newark, DE 19716
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**Appointments**

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|---|---|
| 09/2015 – present | Full Professor, Department of Chemistry and Biochemistry, University of Delaware |
| 09/2011 – 09/2015 | Director of Graduate Studies and Assistant Chair, Department of Chemistry and Biochemistry, University of Delaware |
| 09/2010 – 08/2015 | Associate Professor, Department of Chemistry and Biochemistry, University of Delaware |
| 09/2004 – 08/2010 | Assistant Professor - Department of Chemistry and Biochemistry, University of Delaware, Newark, DE, USA |
| 04/2002 – 08/2004 | Director's Award Postdoctoral Fellow - Los Alamos National Laboratory, Los Alamos, NM, USA |

**Education**

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| Los Alamos National Lab<br>Los Alamos, NM, USA | Post-doctorate in neutron scattering and condensed matter research | 2002-2004 |
| University of Notre Dame<br>Notre Dame, IN, USA | Ph.D. in Inorganic Chemistry | 2002 |
| University of Sofia<br>Sofia, Bulgaria | M.S. in Physical Chemistry | 1995 |

**Honors and Awards**

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| 2009 | Francis Alison Young Scholars Award; University of Delaware |
| 2009 | Exxon Mobil Faculty Fellowship; American Chemical Society |
| 2009 | Margaret C. Etter Early Career Award; American Crystallographic Association |
| 2008 | NSF CAREER Award; Division of Materials Chemistry |
| 2003 | Institute for Complex Adaptive Matter (I.C.A.M.) Postdoctoral Fellowship; University of California Office of the President |
| 2002 | Los Alamos National Laboratory Postdoctoral Fellowship Award |
| 2002 | Notre Dame Alumni Association Award; University of Notre Dame, USA |
| 2001 | Rohm and Haas Outstanding Graduate Student Award; University of Notre Dame, USA |
| 2000-02 | Reilly Fellowships; University of Notre Dame, USA |

**Publication record**

Over 270 publications (including more than 40 with undergraduate co-authors) and over 150 National and International presentations.

STATEMENT:

I am a traditional solid-state chemist interested in the synthesis and the structural characterization of new compounds, specifically Zintl phases.

While my name does not appear on any publication describing particularly high $zT$ in a given material, studies in the Bobev laboratory at the University of Delaware have led to the identification of many new Zintl phases that have been extensively studied and worked on by the global thermoelectric community.

Salient examples of such compounds are materials that are now affectionately referred to as "9-4-9", "2-1-2", "10-1-9", etc.

I have been coming to ICTs for close to 20 years and I am excited about the opportunity to serve the society in a new role.

Thank you!