

ÖZGEÇMİŞ

Prof.Dr.Recep DİMİTROV

Doğum Tarihi :21.11.1954
Doğum Yeri :Borino, BULGARİSTAN
Uyruğu :Bulgaristan, Türkiye
Medeni Hali :Dul, üç çocuk babası (iki kız, bir erkek)

Aldığı Akademik Unvanlar		
	Unvanı Aldığı Üniversite	Unvanı Aldığı Tarih
Profesörlük	Kültür Üniversitesi	2 Ocak 2006
Doçentlik	Sofya Üniversitesi 'Kliment Ohridski', Bulgaristan	18.04.2000
Doktora	Bulgaristan Bilim Akademisi	16.12.1986
Yüksek Lisans	Milli Bilim ve Teknoloji Üniversitesi (eski Moskova Çelik ve Alaşım Enstitüsü, MİSiS), Moskova, Rusya	26 Şubat 1982
Lisans	Milli Bilim ve Teknoloji Üniversitesi (eski Moskova Çelik ve Alaşım Enstitüsü, MİSiS), Moskova, Rusya	26 Şubat 1982
Çalıştığı Kurumlar		Çalıştığı Tarihler
1.	Bulgaristan Bilimler Akademisi, Metal Bilimleri Enstitüsü (Doktora Öğrencisi)	Ocak 1983- Ocak 1987
2.	Bulgaristan Bilim Akademisi, Özel Çelik Enstitüsü (yarı-zamanlı)	Ocak 1987-Aralık 1992
3.	Sofya Teknik Üniversitesi (yarı-zamanlı)	Eylül 1988- Ocak 1996
4.	Sofya Üniversitesi 'Kliment Ohridski', Katıhal Fizik Bölümü	Ocak 1987- Temmuz 2002
5.	Fatih Üniversitesi	Eylül 2002- Temmuz 2003
6.	Işık Üniversitesi	Ağustos 2003- Haziran 2006
7.	İstanbul Kültür Üniversitesi	Temmuz 2006- Ağustos 2011
8.	Bahçeşehir Üniversitesi	Ekim 2011- Eylül 2015
9.	Uğur Eğitim Kurumu	Ekim 2015-
Akademik Görevler		
<ol style="list-style-type: none">Doktora öğrencisi, Bulgaristan Bilimler Akademisi, Metal Bilim Enstitüsü, Ocak 1983-Ocak 1987.Yardımcı Doçent, Katıhal Fiziği, Fizik Bölümü, Nükleer Güvenlik Birimi, Sofya Üniversitesi, Ocak 1987-Aralık 1999, tam zamanlı;Doçent, Katıhal Fizik Bölümü, Nükleer Güvenlik Birimi, Sofya Üniversitesi Aralık 1999-Temmuz 2002, tam zamanlıBirinci Sınıf Araştırma Bilim Adamı (karşılığı araştırma biriminde doçent) Bulgaristan Bilimler Akademisi, Özel Çelik Enstitüsü - yarı-zamanlı), 1987-1989; 1991'den 2.Sınıf Araştırma Bilim Adamı (senior reseacher, araştırma profesörü)Yrd.Doçent, yarı-zamanlı, Matematik Enstitüsü, Sofya Teknik Üniversitesi, 1988-1996Doçent, tam zamanlı, Işık Üniversitesi, Fizik Bölümü,2003-2006Profesör, tam zamanlı, İstanbul Kültür Üniversitesi, Fizik Bölümü, 2006-2011Bahçeşehir Üniversitesi, Uluslararası Eğitim Danışmanı, 2011'den itibaren <p>Akademik Görev Sürelerinde Verilen Temel Dersler:</p> <ol style="list-style-type: none">1)General Physics Courses2)Electro-magnetic Theory3)Thermodynamics and Statistical Physics4)Materials Science5)Mechanics of Materials (Strength of Materials)6)Metal Physics (Solid State Physics, Condensed Matter Physics)		

- 7) Nuclear Physics (Energy)
- 8) Superconductivity of Metals
- 9) Computational Physics
- 10) Quantum Mechanics
- 11) Selected Topics in High Mathematics
- 12) Power Generation
- 13) High Voltage Systems
- 14) Energy Systems
- 15) Calculus and Applied Mathematics

Yönettiğim Tezler

Doktora (Ph.D.)

1. Krasimir Jekov, '*Thermodynamics Study of the Electro-slag Remelting Process*'. Bulgaristan Bilimler Akademisi, Metal Bilimi Enstitüsü, 1992, 2.danışman Doç.Dr.Ventsislav Dimitrov
2. Eruğrul Bolcal, '*Nano-kompozit Malzemelerin Manyetik Özelliklerinin Modellenmesi*' İstanbul Kültür Üniversitesi – Gebze Yüksek Teknoloji Enstitüsü, 2011

Yüksek Lisans (M.Sc.)

1. Orlin Shopov, '*Molecular Dynamics Simulation of the atomic structure of amorphous metals*', Sofya Üniversitesi, 1989.
2. Rumina Ivanova, '*Monte-Carlo Study of Carbon Solubility in Iron*', Sofya Üniversitesi, 1990
3. Tsveta Apostolova, '*Phonon Spectrum of Face-Centered Cubic Metals*', Sofya Üniversitesi, 1992
4. Anelia Todorova, '*Mechanical Properties of Amorphous Materials*', Sofya Üniversitesi, 1993
5. Elka Petrova, '*Monte-Carlo Study of Binary Solid Solutions*', Sofya Üniversitesi, 1993
6. Tatiana Angelova, '*Order-Disorder Transition in Multi-component Solid Solutions*', Sofya Üniversitesi, 1994
7. Dosi Dosev, '*Calculation of the Grain-boundary Energy in Polycrystalline Single Component Cubic Crystals*', Sofya Üniversitesi, 1998
8. Delian Georgiev, '*Exact Solution of Finite-size Models for Binary Solid Solutions*', Sofya Üniversitesi, 1999
9. George Russev, '*A Model of Dindride Growth from Undercooled Ni*', Sofya Üniversitesi, 2001

Projeler

1. **Investigation of High Superconductivity**, Bulgarian National Research Science Fund, grant No 195/1991 (in a team with Prof.Abrikosov, the Nobel Prize winner for 2003, at that time in Moscow Institute of Steel and Alloys)
2. **Theoretical Investigation of Crystal Growth from Undercooled Melts**, Bulgarian National Research Science Fund, grant No 264/1996
3. **Investigation of Nanosized Systems**, International network project "Nenamát" in the frame of the European 6th frame Research Program; Project number: INCO-CT-2004-



Project acronym: NENAMAT, **Project title: Network for Nanostructured Materials for ACC**, Instrument: Specific Targeted Research Project (STREP), Thematic Priority: Specific research and technological development programme *Integrating and strengthening the ERA* (the "specific programme"). Start date of project: 01 August 2004; Duration: 36 months. Project coordinator name: Professor Dr.Dimitrov V.I. (coordinator for Turkey); Project coordinator organization name: Isik University, Istanbul, Turkey

4. **Investigation of nano-composite magnetic materials**, - SANTEZ project N00185.STZ.2007-2, Duration 2007-2011

5. İTAP Fizik Olimpiyat Okulu-TÜBİTAK İleri Fizik Eğitim Projesi: 1., 2., 3. ve 4. kademe-TÜBİTAK, BİDEB, 2009-2014 ve devamı

Patentler

- 1.
- 2.

Çağrılı Konferans ve Seminerler

1. International Nuclear Research, Dubna, Russia, Invited Professor 1987, 1992
2. Limburg University, Institute of Metal Science, Hasselt, Belgium, Invited Professor 1991
3. Uludağ Üniversitesi, TÜBİTAK davetli araştırmacısı, 1998
4. Rosendorf Nuclear Research Center, Dresden, Germany, 2000, 2006 , Invited Professor.
5. Ertugrul Bolcal, Ventsislav Dimitrov, Cevahir Oya and Hasan Aslan, *Magneto Static Properties of Linear Nano-structured Samples*, Advances in Applied Physics and Materials Science –APMAS2011, Antalya, May 2011
6. Ertugrul Bolcal, Ventsislav Dimitrov, Hasan Aslan, and Ayşe Bozkurt, *Ground State and Magneto Static Properties of a Dipole System Arranged in Two-Dimensional Lattice*, Advances in Applied Physics and Materials Science –APMAS2011, Antalya, May 2011

Yayınlanmış Makaleler

Uluslar arası

1. Yu.S.Stark, A.S.Shteinberg, and **V.I.Dimitrov**, *Investigation of Short-Range Order in Cu Au*, *Physica Metallov*, **56**, part 1, p.53, (1983) (in Russian and translated in English in the USA: Physica Metallov),
2. Yu.S.Stark, A.S.Shteinberg, V.M.Vasilev, and **V.I.Dimitrov**, *Monte Carlo Determination of Long-Range Pair Interactions Energies from Scattering of X-Rays by Alloys*, *Phys.Stat.Sol. (b)*, **119**, 147(1983)
3. **V.I.Dimitrov**, A Model and Atom Distribution Functions in Multicomponent Solid Solutions, *Phys.Stat.Sol. (b)*, **138**, K83,(1986).
4. **V.I.Dimitrov** and A.S.Shteinberg, *Short-Range Order in Solid Solutions*, *Phys.Stat.Sol. (b)*, **140**, 3(1987)
5. **V.I.Dimitrov**, *Monte Carlo Determination of Short-Range Parameters for Multicomponent Solid Solutions*, *Phys.Stat.Sol. (b)*, **145**, 65(1988)
6. **V.I.Dimitrov**, Yu.V.Klechin and A.V.Apostolov, *Calculation of Elastic Moduli for Amorphous Fe₈₀B₂₀*, *Phys.Stat.Sol.(a)*, **116**, p.627 (1989)
7. **V.I.Dimitrov** and K.I.Grozdev, *A New Statistical Method for Calculation of Partial Function*, *Phys.Stat.Sol.(b)*, **187**, K5(1995)
8. **V.I.Dimitrov**, *Empirical N-Body Potential for Cubic Metals*, *Phys.Stat.Sol.(b)*, **196**, 145 (1996)
9. **V.I.Dimitrov**, J.D'Haen, G.Knuyt, C.Quasyhaegens and L.M.Stals, *A Simple Diffusion Model of Surface Modification by Plasma*, *Phys.Stat.Sol.(a)*, **159**, 405 (1997)
10. **V.I.Dimitrov**, J.D'Haen, G.Knuyt, C.Quasyhaegens and L.M.Stals, *A Model of Compound Layer Formation During Surface Modification by Plasma*, *J.Matter.Sci.Tech.*, **5**, 56(1997)
11. **V.I.Dimitrov**, J.D'Haen, G.Knuyt, C.Quasyhaegens and L.M.Stals, *A Diffusion Model of Metal Surface Modification During Plasma Nitriding*, *Appl.Phys.A*, **63**, p.475 (1996)
12. **V.I.Dimitrov**, G.Knuyt, L.M.Stals, J.D'Haen and C.Quasyhaegens, *Generalized Wagner's Diffusion Model of Surface Modification of Materials by Plasma*, *Appl.Phys.A*, **67**, 183(1998)
13. **V.I.Dimitrov**, *About the Kinetics of Normal Crystal Growth*, *Applied Physics A*, **77**, 835 (2003)
14. **V.I.Dimitrov**, *A Model of AlN Formation during Ion Nitriding of Al*, *Applied Physics A*, **79**, 1829-1832 (2004)
15. **V.I.Dimitrov**, G.Knuyt, L.M.Stals, J.D'Haen and C.Quasyhaegens, *A Method for Determination of the Effective Diffusion Coefficient and Sputtering Rate during Plasma Diffusion Treatment*, *Sur.Coat.&Tech*, **99**, 234 (1998)
16. **V.I.Dimitrov**, G.Knuyt, L.M.Stals, J.D'Haen and C.Quasyhaegens, *Modeling of Nitride Layer Formation during Plasma Nitriding of Pure Iron*, *Comput.Matter.Sci.*, **15**, 22(1999)
17. A.Avinc and **V.I.Dimitrov**, *Effective Lenard-Jones Potential for Cubic Metals in the Frame of Embedded Atom Model*, *Comput.Matter.Sci.*, **13**, 211 (1999)
18. **Dimitrov VI**, Jekov K, Avinc A, Prediction of the solubility of nitrogen in steels obtained by pressurised electroslag remelting process, *Comp.Mater Sci* **15** 400 (1999)
19. **V.I.Dimitrov**, A.Gungor, and M.Kumru, *A Model of Self-Diffusion in Undercooled Liquids*, *Matter.Sc.Forum*, **360-362**, 113 (2001)
20. **V.I.Dimitrov**, A.Gungor, and M.Kumru, *Free-volume Diffusion in Undercooled Liquids*, *Matter.Sc.Forum*, **360-362**, 119 (2001)
21. **V.I.Dimitrov**, A.Gungor, and M.Kumru, *Influence of the Rejected Volume on the Size of Grains in Rapid Crystallization from Undercooled Melts*, *Matter.Sc.Forum*, **360-362**, 493 (2001)
22. **V.I.Dimitrov**, A.Gungor, and M.Kumru, *A New Theory of Viscosity of Amorphous Metals*, *Bulletin of Russian Academy of Sciences*, **65**, N10, (2001)
23. I.M.Russinov, A.B.Blagoev, and **V.I.Dimitrov**, *Diffusion Model of the Transport of Sputtered Metal Atoms in Cylindrical Vessel*, *Vacuum*, **69**, 165 (2003)

24. **V.I.Dimitrov**, *Kinetics of Atomic Rearrangement in the process of crystal growth into undercooled liquids*, J.Cryst.Growth, **253**, 504-511 (2003)
25. **V.I.Dimitrov**, *Fluctuation Theory of Liquid-Glass Transition*, J.Metastable&NanoMatt., **20-21**, 443-448 (2004)
26. **V.I.Dimitrov**, *Breakdown of the Stokes-Einstei relation in Supercooled Liquids*, J.Metastable&NanoMatt., **20-21**, 541-545 (2004)
27. **V.I.Dimitrov**, *Theoretical Calculation of the Kinetic Coefficient of Normal Crystal Growth*, J.Metastable&NanoMatt., **20-21**, 546-552 (2004)
28. **V.I.Dimitrov**, *Interpretation of Glass Transition Temperature from the point of view of Molecular Mobility* - in Properties and application of Nanocrystalline Alloys from Amorphous Precursors (Eds B.Idzikowski, P.Svec and M.Miglierini, Springer-Verlag) pp.345-352 (2004)
29. **V.I.Dimitrov**, *Glass Transition is a Phase Transition of Fourth Order?* Journal of Non.Cryst.Solids, 351 (2005) 2394-2402
30. **V.I.Dimitrov**, *Theory of Fluidity of Liquids, Glass Transition and Melting*, Journal of Non.Cryst.Solids 352 (2006) 216-231.
31. **V.I.Dimitrov**, A Gungor, M.Kumru and A.Avinc, "A New Model of Crystal Growth from Undercooled Melts", Bul.J.Phys., **27** N2, 99 (2000) pp.99-102
32. **V.I.Dimitrov** and L.A.Anestiev, *Determination of the Activation Energy at the Crystalization of Undercooled Melts*, in Rapidly Quenched&Metastable Materials (Elsevier, Amsterdam, 1997) p.84 - 9th International Conference on Rapidly Quenched Materials and Metastable Alloys, Bratislava, August 25-30, 1996, Slovakia.
33. **V.I.Dimitrov** and G.M.Yunchov, *Molecular Dynamics and Static Relaxation Simulation of Local Structure of FCC Metals in Supercooled Liquid and Amorphous State*, in Rapidly Quenched&Metastable Materials (Elsevier, Amsterdam, 1997) p.140 - 9th International Conference on Rapidly Quenched Materials and Metastable Alloys, Bratislava, August 25-30, 1996, Slovakia.
34. **V.I.Dimitrov** and A.Avinc, *A Vacancy-like Mechanism of Self-diffusion in Amorphous FCC Metals*, in Rapidly Quenched&Metastable Materials (Elsevier, Amsterdam, 1997) p.144 - 9th International Conference on Rapidly Quenched Materials and Metastable Alloys, Bratislava, August 25-30, 1996, Slovakia.
35. Ertuğrul Bolcal, **Ventsislav Dimitrov**, Bekir Aktas, Hasan Aslan, *Ground State and Magnetic Properties of a Dipole System Arranged in Two-Dimensional Lattice*, Acta Physica Polonica A, Vol.121 (2012) pp.259-263

Ulus (Bulgaristan) Yayınları

1. G.Savov, L.Sariivanov, K.Stoianov and **V.Dimitrov**, *Mathematical Modeling and Experimental Investigation of Nitrogen Absorbtion in Steels during Continuous Casting Process*, Techicheska Misal, vol. XXVII (1991) N0-1, pp.103-107
2. **V.I.Dimitrov**, *Short-Range Order in Disordered Solid Solutions*, Annuarier De'Sofia Universite, .Vol.85 (1993) pp.5-17
3. **V.I.Dimitrov**, *Many-body Interactions in the Theries of Metal Solid Solitions Orderings*, Annuarier De'Sofia Universite, .Vol.87 (1995) pp.49-61
4. **V.I.Dimitrov**, *Emperical N-body Potentials for Cubic Metals*, Annuarier De'Sofia Universite, .Vol.87 (1995) pp.63-71
5. **V.I.Dimitrov**, *Calculation of the Elastic Constants of Crystalline Metals Based on the Use of Emepirical Embedded Atom Potential*, Annuarier De'Sofia Universite, .Vol.90 (2000) pp.107-123
6. **V.Dimitrov** and A.Apostolov, *A Method of Determining Interparticle Interactions in Condensed Systems*, Reports of Bulgarian Academy of Sciences, Tome **41**,p.6,(1988)
7. A.V.Apostolov, D.K.Belashchenko and **V.I.Dimitrov**, *A model for amorphous Gd₄A₃*, *Twelfth European Crystallographic Meeting*, Moscow, USSR, august 20-29, 1989, vol.**3**, p.266
8. **V.I.Dimitrov** and A.S.Steinberg, *Short-range Order in Solid Metal Solutions*, Proceedings of the 4th National Conference on Material Science and Materials Obtained under gas pressure, with international participation, Dom na Teknikata, Pleven (29-31 May, 1984) p.27-30.
9. **V.I.Dimitrov** and Ts.Rashev, *Many-particle Correlation Function in Metals*, Proceedings of the 4th National Conference on Material Science and Materials Obtained under gas pressure, with international participation, Dom na Teknikata, Pleven (29-31 May, 1984) p.30-34.

Eğitim ile ilgili yayınlar

1. Recep **DİMİTROV**, *Özel Görelilik Teorisine Giriş*, POTANSİYEL Bahçeşehir, Aralık 2014, Yıl2, Sayı 17,pp.2-35
2. Recep **DİMİTROV**, *Özel Görelilik Teorisine Giriş. Deneme Soruları*. POTANSİYEL Bahçeşehir, Aralık 2014, Yıl2, Sayı 17,pp.69-80
3. Recep **DİMİTROV**, *Cisimlerin Yerçekimi Alanda Hareketi. Konu, Çözömlü Sorular (1)*. POTANSİYEL Bahçeşehir, Ağustos 2014, Yıl2, Sayı 13,pp.2-11
4. Recep **DİMİTROV**, *Cisimlerin Yerçekimi Alanda Hareketi. Çözümler*. POTANSİYEL Bahçeşehir, Ağustos 2014, Yıl2, Sayı 13,pp.71-80
5. Recep **DİMİTROV**, Muammet Emin ÖZTÜRK, Fatih SERDAR *Üçüncü Bilkent Fizik Olimpiyatları*, POTANSİYEL Bahçeşehir, Eylül 2014, Yıl2, Sayı 13,pp.2-11

6. Recep **DİMİTROV**, *Özel Görelilik Teorisine Giriş. Deneme Soruları ve Cevapları*. POTANSİYEL Bahçeşehir, Ocak 2015, Yıl3, Sayı 18,pp.2-45
7. Recep **DİMİTROV**, Atınç Çağın ŞENGÜL, Tolga GÜRCAN ve Ali VELİ, *Türkiye 21.Ulusal Bilim Olimpiyatları, Fizik, 2.Aşama Soruları ve Çözümleri*. POTANSİYEL Bahçeşehir, Şubat 2014, Yıl2, Sayı 7,pp.2-14
8. Recep **DİMİTROV**, Tolga GÜRCAN ve Arda BAYER, *Türkiye 22.Ulusal Bilim Olimpiyatları, Fizik, 1.Aşama Soruları ve Çözümleri*. POTANSİYEL Bahçeşehir, Temmuz 2014, Yıl2, Sayı 12,pp.2-18

Bildiriler

A- Uluslararası

- 1.
- 2.

B- Ulusal

- 1.
- 2.

Kitaplar

A- Uluslararası

1. . 'POTANSİYEL' dergisi, 2013- itibaren Redaksiyon Kurul Başkanı ve kurucusu, Prof.Dr. Recep Dimitrov
- 2.

B- Ulusal

- 1
- 2.