

*Proceedings of the*  
Gökova Geometry-Topology  
Conference 2005

*Editors*

**Selman Akbulut**

Department of Mathematics, Michigan State University  
East Lansing, MI 48824, USA

**Turgut Önder**

Department of Mathematics, Middle East Technical University  
06531 Ankara, Turkey

**Ronald J. Stern**

Department of Mathematics, University of California  
Irvine, CA 92717, USA

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Selman Akbulut, Michigan State University

Turgut Önder, Middle East Technical University

Ronald J. Stern, University of California at Irvine

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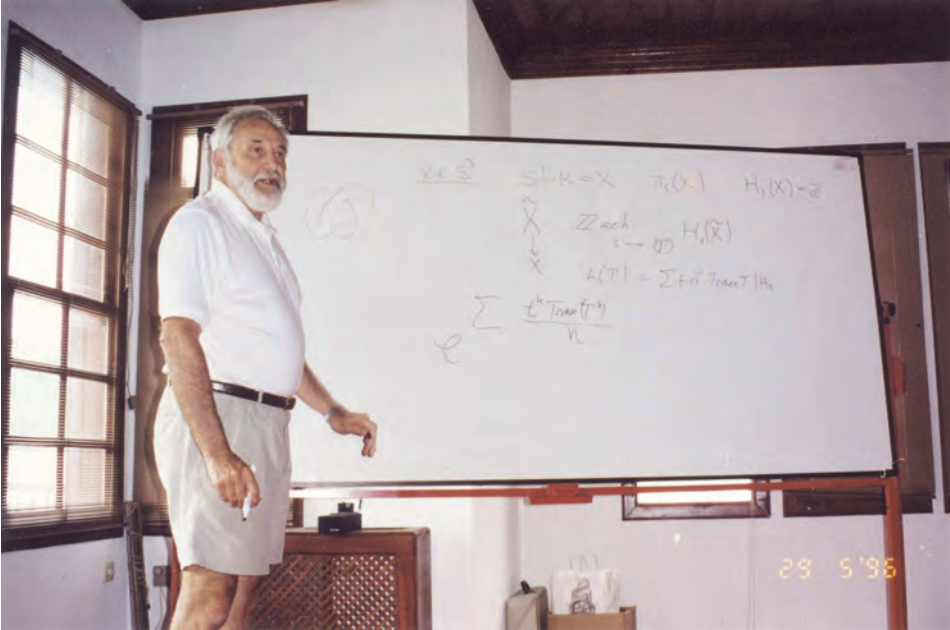
12<sup>th</sup> GÖKOVA GEOMETRY-TOPOLOGY CONFERENCE  
May 30 - June 3, 2005



Participants of the 12<sup>th</sup> Gökova Geometry-Topology Conference



## PREFACE



Raoul Bott lecturing at Gökova Conference, 1996

We dedicate this volume to the memory of Raoul Bott, a great mathematician of the 20th Century. He is well known for his amazing work on the periodicity of the homotopy groups of Lie groups, and his contributions to index theory, foliations, equivariant topology, and gauge theory. In recent years he was also active in TQFT and physics. Raoul has been a long time supporter of Gökova Geometry Topology Conferences, which he attended twice; he wrote articles to its proceedings, as well as giving organizational support. He had a very warm and modest presence; interacting with him was not only a source of mathematical stimulation, but at a personal level a great joy for everyone. In these conferences he left a lasting impression, especially in younger mathematicians who were in awe of him; when answering their questions he gently embraced them by their shoulders like a Turkish grandfather. Raoul this modest volume is to you with all our heartfelt respect.

This proceedings volume contains articles from both eleventh and twelfth Gökova Conferences. Thanks to TÜBİTAK's continuous support since 1992, Gökova Geometry Topology Conferences have flourished greatly and have had a strong impact. TÜBİTAK has published all the previous issues of the conference proceedings. This is the first year we receive support from NSF. We thank NSF for their generous support as well.

March 2006

The Editors



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Participants of the 11<sup>th</sup> Gökova Geometry-Topology Conference



11<sup>th</sup> GÖKOVA GEOMETRY-TOPOLOGY CONFERENCE  
May 24 – 28, 2004

**List of Participants**

Ağırseven, Deniz	Trakya University, Turkey
Akbulut, Selman	Michigan State University, USA
Akyar Möller, Bedia	Dokuz Eylül University, Turkey
Arikan, Fırat	Michigan State University, USA
Atalan Ozan, Ferihe	Middle East Technical University, Turkey
Bhupal, Mohan	Middle East Technical University, Turkey
Bilge, Doğan	İstanbul Bilgi University, Turkey
Bryant, Robert	Duke University, USA
Coşkunuzer, Barış	Yale University, USA
Çelik, Sinem	Middle East Technical University, Turkey
Değirmenci, Nedim	Anadolu University, Turkey
Deniz, Ali	Anadolu University, Turkey
Dereli, Tekin	Koç University, Turkey
Durusoy, Selahi	Michigan State University, USA
Efe, Barış	Middle East Technical University, Turkey
Erdoğan, Sultan	Bilkent University, Turkey
Etgü, Tolga	McMaster University, Canada
Finashin, Sergey	Middle East Technical University, Turkey
Gay, David	CIRGET, U.Q.A.M, Canada
Goralı, Gökhan	Boğaziçi University, Turkey
Grigsby, Eli	University of California, Berkeley, USA
Gün, Onur	Boğaziçi University, Turkey
Hamilton, Richard	Columbia University, USA
Ilmanen, Tom	ETH Zentrum, Switzerland
Itenberg, Ilia	IRMA, University Louis Pasteur, France
Joyce, Dominic	Lincoln College, University of Oxford, UK
Kalafat, Mustafa	SUNY at Stony Brook, USA
Karaca, İsmet	Ege University, Turkey
Karakurt, Çağrı	Middle East Technical University, Turkey
Keyman, Ebru	Middle East Technical University, Turkey
Kirby, Rob	University of California, Berkeley, USA
Koçak, Şahin	Anadolu University, Turkey
Korkmaz, Mustafa	Middle East Technical University, Turkey
Kutluhan, Çağatay	Middle East Technical University, Turkey
Lotay, Jason	Christ Church College, Oxford, UK
Melvin, Paul	Bryn Mawr College, USA
Mikhalkin, Grigory	University of Toronto, Canada
Muş, Köksal	Yıldız Technical University, Turkey
Orevkov, Stepan	University Paul Sabatier, France

Ozan, Yıldray	Middle East Technical University, Turkey
Önder, Turgut	Middle East Technical University, Turkey
Özbağcı, Burak	Koç University, Turkey
Öztürk, Ali	Middle East Technical University, Turkey
Öztürk, Ferit	Boğaziçi University, Turkey
Pamuk, Mehmetcik	McMaster University, Canada
Pamuk, Semra	McMaster University, Canada
Ratiu, Andrei	İstanbul Bilgi University, Turkey
Salepci, Nermin	Middle East Technical University, Turkey
Salur, Sema	Northwestern University, USA
Sarıoğlu, Celal Cem	Dokuz Eylül University, Turkey
Stipsicz, András	Renyi Institute, Hungary
Şimşir, Muazzez	Middle East Technical University, Turkey
Tek, Süleyman	Bilkent University, Turkey
Topkara, Mustafa	Middle East Technical University, Turkey
Uğuz, Selman	İstanbul Technical University, Turkey
Uludağ, Muhammed	Galatasaray University, Turkey
Ünal, İbrahim	SUNY at Stony Brook, USA
Walker, Kevin	Utah, USA
Wand, Andy	University of California, Berkeley, USA
Welschinger, Jean-Yves	Ecole Normale Sup. de Lyon, UMPA, France
Yamada, Yuichi	University of Electro-Communication, Tokyo, Japan
Yılmaz, Elif	Middle East Technical University, Turkey
Zhang, Ping	Çankaya University, Turkey
Zharkov, Ilia	Harvard University, USA

12<sup>th</sup> GÖKOVA GEOMETRY-TOPOLOGY CONFERENCE  
May 30 – June 3, 2005

**List of Participants**

Akbulut, Selman	Michigan State University, USA
Arıkan, Fırat	Michigan State University, USA
Atalan Ozan, Ferihe	Atılım University, Turkey
Baran, Burcu	Middle East Technical University, Turkey
Bassa, Alp	University of Duisburg-Essen, Germany
Batyrev, Victor	University of Tübingen, Germany
Bhupal, Mohan	Middle East Technical University, Turkey
Bilge, Doğan	İstanbul Bilgi University, Turkey
Bryant, Robert	Duke University, USA
Cengiz, Necmi	Atatürk University, Turkey
Ciocan-Fontanine, Ionat	University of Minnesota, USA
Çelik, Sinem	Middle East Technical University, Turkey
Demir, Ali Sait	Middle East Technical University, Turkey
Değirmenci, Nedim	Anadolu University, Turkey
Dereli, Tekin	Koç University, Turkey
Encinas, Santiago	Universidad Valladolid, Spain
Erdoğan, Sultan	Bilkent University, Turkey
Etgü, Tolga	Koç University, Turkey
Finashin, Sergey	Middle East Technical University, Turkey
Gay, David	University of Cape Town, Canada
Grigsby, Eli	University of California, Berkeley, USA
Gukov, Sergei	Harvard University, USA
Gürsoy, Osman	Karadeniz Teknik University, Turkey
Hambleton, Ian	McMaster University, Canada
Hauser, Herwig	Universität Innsbruck, Austria
Kalafat, Mustafa	SUNY at Stony Brook, USA
Kara, Yasemin	Boğaziçi University, Turkey
Karu, Kalle	University of British Columbia, Canada
Karakurt, Çağrı	Middle East Technical University, Turkey
Keyman, Ebru	Middle East Technical University, Turkey
Kirby, Rob	University of California, Berkeley, USA
Kişisel, Özgür	Middle East Technical University, Turkey
Koca, Caner	Bilkent University, Turkey
Korkmaz, Mustafa	Middle East Technical University, Turkey
Kutluhan, Çağatay	University of Michigan, USA
Kovalev, Alexei	Cambridge University, UK
Lekili, Yankı	Ecole Normale Sup. de Lyon, France
Matsuki, Kenji	Purdue University, USA
Melvin, Paul	Bryn Mawr College, USA

Matveyev, Rostislav	Leipzig Universität, Germany
Mikhalkin, Grigory	Max-Planck-Inst. für Math., Germany
Ng, Lenhard	Stanford University, USA
Niederkrüger, Klaus	University of Cologne, Germany
Ozan, Yıldray	Middle East Technical University, Turkey
Önder, Turgut	Middle East Technical University, Turkey
Özbağcı, Burak	Koç University, Turkey
Özkan, Engin	Middle East Technical University, Turkey
Öztürk, Ali	Middle East Technical University, Turkey
Öztürk, Ferit	Boğaziçi University, Turkey
Pamuk, Mehmetcik	McMaster University, Canada
Pamuk, Semra	McMaster University, Canada
Park, Jongil	Seoul National University, Korea
Polyak, Michael	Technion, Israel Inst. of Technology, Israel
Rasmussen, Jacob	Princeton University, USA
Salepci, Nermin	Middle East Technical University, Turkey
Salur, Sema	Northwestern University, USA
Sarioğlu, Celal Cem	Dokuz Eylül University, Turkey
Şengüler, Fatma	Uludağ University, Turkey
Şimşir, Muazzez	Başkent University, Turkey
Tamas, Csilla	Douglas College, USA
Tek, Süleyman	Bilkent University, Turkey
Topkara, Mustafa	Middle East Technical University, Turkey
Tosun, Bülent	Middle East Technical University, Turkey
Tuncer, Nigar	SUNY Binghamton, USA
Ünal, İbrahim	SUNY at Stony Brook, USA
Ünlü Özgün	McMaster University, Canada
Viro, Oleg	Uppsala University, Sweden
Wand, Andy	University of California, Berkeley, USA
Wlodarczyk, Jaroslaw	Purdue University, USA
Yılmaz, Elif	Middle East Technical University, Turkey
Yılmaz, Nejat	Çankaya University, Turkey
Zhang, Ping	Eastern Mediterranean University, North Cyprus