

EU's MSCA Program Funding Four Bilkent Researchers



Four Bilkent faculty members are being funded by the EU's Marie Skłodowska-Curie Actions (MSCA) program, part of the EU's Horizon 2020 initiative.

On the basis of the proposals they submitted in response to the 2015 call for proposals, Dr. Tarih Baytekin (UNAM), Dr. Kürşat Çınar (Political Science and Public Administration), and Dr. Erman Ayday and Dr. Mustafa Özdal (both Computer Engineering) have been awarded MSCA individual fellowship grants.

As part of Horizon 2020, the EU's largest research and innovation
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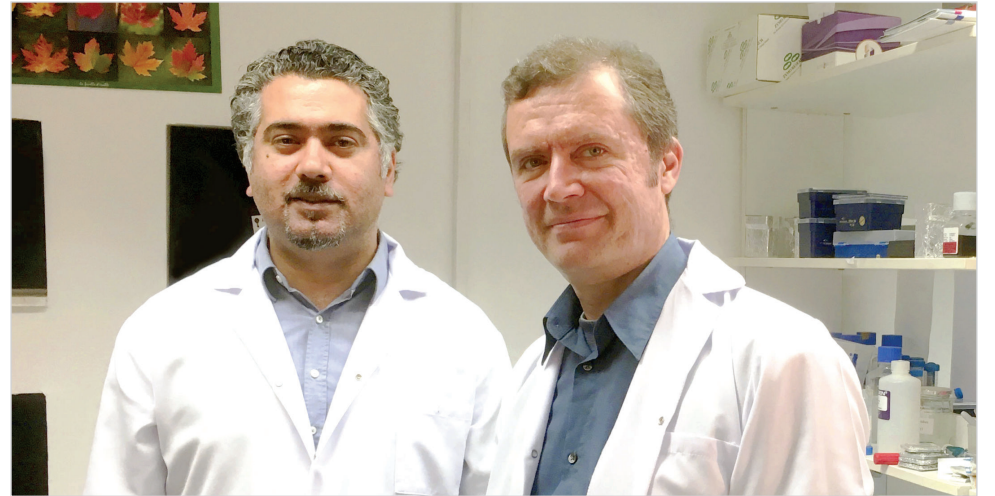
Bilkent Researchers' Diagnostic Kit Aims to Help Treat Aggressive Breast Cancer

Dr. Özgür Şahin and Dr. Ali Güre of the Department of Molecular Biology and Genetics are working to develop a new gene-based diagnostic kit that predicts treatment response of the most aggressive breast cancers.

With its high incidence and mortality rates, breast cancer is one of the most important health problems in countries throughout the world, including Turkey. Worldwide, 1.7 million people were diagnosed with breast cancer in 2012, and 521,000 people died of the disease.

Triple-negative breast cancer (TNBC) is the most aggressive subtype of breast cancer and highly metastatic compared to other subtypes. Currently, chemotherapy is the only treatment option for TNBC; however, most patients develop primary or acquired resistance.

The ultimate aim of Dr. Şahin and Dr. Güre's project is to develop a gene-based prototype theranostic kit (PTK) that classifies subgroups of TNBC patients according to



chemotherapy response, thus helping clinicians to determine the most suitable chemotherapy options for these subgroups.

The kit is based on the analysis of no more than 15 genes from fresh-frozen or paraffin-embedded TNBC tumor tissue using fluorescent-labeled beads. The results of such analysis will make it possible to determine which patient groups will respond to which chemotherapeutic drug(s).

This large-scale project is being

supported by the SANTEZ program, which is funded by the Ministry of Science, Industry and Technology. In this context, it is intended to enhance university-industry collaboration and the training of young scientists. The prototype diagnostic kit will be produced by partner company Onkogen, using new technology. Members of the Hacettepe University Faculty of Medicine are also part of the research team.

CS Student a Member of Winning Team at PennApps XIII

Bilkent student Emrehan Tüzün (CS/IV) was a member of the four-person team that won PennApps XIII, the most recent iteration of the US's foremost and largest collegiate hackathon. Team RAMEAR's winning project demonstrated the transmission of data from a completely disconnected computer to a radio receiver.

PennApps, held semiannually at the University of Pennsylvania, encourages engineering students to develop and showcase their skills, and has spawned an entire "league" of hackathons since its beginnings in 2009. Approximately 1,400 participants from 100 universities



around the world spent 36 hours developing applications during this year's event, which took place the

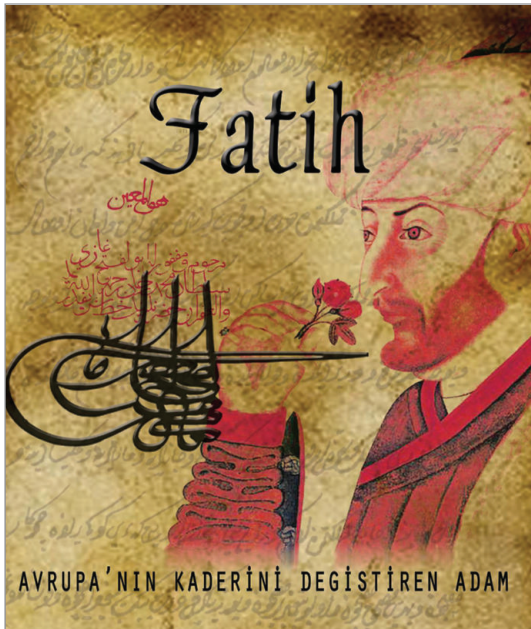
weekend of January 22-24.

Along with Emrehan, the members
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Giovanni Volpe Publishes Textbook on Optical Tweezers

Dr. Giovanni Volpe of the Department of Physics and UNAM has recently coauthored with Dr. Philip H. Jones (UCL, London, UK) and Dr. Onofrio M. Maragò (CNR-IPFC, Messina, Italy) a new book, "Optical Tweezers: Principles and Applications," published by Cambridge University Press. The book addresses the broad field of optical trapping and manipulation in a comprehensive and organic way.
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"Fatih" Documentary Scripted by Mehmet Kalpaklı Premieres in Rome



“The Man Who Changed the Destiny of Europe: Fatih,” a documentary scripted by Asst. Prof. Mehmet Kalpaklı, chair of the Department of History and the Department of Turkish Literature, premiered at the National Museum of Oriental Art in Rome on January 10, in conjunction with a special exhibition running from January 10 to February 14.

Dr. Kalpaklı was also the historical advisor for the film, which tells the story of Fatih Sultan Mehmet and his age. One of the Ottoman Empire's most famous sultans due to his conquest of Constantinople, Mehmet II ruled the Ottoman lands from 1444 to 1446 and 1451 to 1481. The documentary, featuring commentary

by many scholars with expertise on the Ottoman Empire and Mehmet II, took three years to make and was filmed in seven countries.

“Mehmed the Second was the ruler of the lands and seas and also the sultan of science, art and poetry with his sword in one hand and his pen in the other,” stated Dr. Kalpaklı. “So, this is a documentary about not only a conqueror but also a ‘Renaissance’ intellectual and patron.”

The film received widespread coverage in the Italian media, with mention on RAI TV and articles in La Repubblica and many other print outlets.

A clip from the film may be viewed at https://www.youtube.com/watch?v=0Xojao_f30s.

NEWS

Library Song Lyrics Competition Winners



Last fall, Bilkent Library held a song lyrics competition, with entries accepted from October 20 to November 16. On December 22, the writers of the top three entries received awards at a ceremony taking place in the library. The competitors had been asked to rewrite the lyrics of a famous Turkish- or English-language popular song of their choice, with reference to libraries in general or the Bilkent Library in particular.

Süleyman Bölükbaş (AMER) took

first place with his version of Fairground Attraction's "Perfect." Second place was awarded to Efe Akçasayar (CS) for a rewrite of Ajda Pekkan's "O Benim Dünyam"; third place went to Ahmet Emre Sehim (IR), who provided brand-new lyrics for the Beatles' "Let It Be."

Submissions were judged by Ufuk Önen of the Department of Communication and Design, Tolga Yayalar of the Department of Music and Ebru Kaya, associate director of the Library.

Spring Semester Turkish Language Course

The Turkish Teaching Unit will be offering a Turkish language course (at one level) during the spring semester for international faculty and their family members. If you are interested, please pick up an application form from the Turkish Teaching Unit in room GZ-14B, G Building, on Main Campus. Registration will take place in room GZ-14B on **February 3-5**. Classes will start on **Monday, February 8**, and will end on **Tuesday, May 3**.

For further information, please call or e-mail (Ms.) Nurdane Mumcu Öz in the Turkish Teaching Unit.

Telephone: **ext. 1935** E-mail: nurdane@bilkent.edu.tr

This Week's Film at Bilkent Cinematics: "Dead Ringers"



Bilkent Cinematics returns with a brand-new lineup of movies for the spring, kicking things off this Thursday with a screening of David Cronenberg's masterful and horrifying "Dead Ringers."

Produced in 1988, Cronenberg's movie tells the story of a demented relationship between twin gynecologists—both played by British great Jeremy Irons—and their increasingly disturbing medical practices. Even by today's standards, the film is considered a technological achievement for its advanced use of techniques such as the split screen, and part of the fun of the movie is seeing how effortlessly Jeremy Irons acts with himself. It is surely a "stylistic tour de force," as critic Roger Ebert put it; New York Times

critic Janet Maslin wrote that it showed Cronenberg as "a master of body-related horrific fantasy."

Still, "Dead Ringers" is hated by many for what is viewed as Cronenberg's blatant misogyny; others see it as a clever attack on male hatred for women. Certainly the best approach is to come and judge for yourself.

"Dead Ringers" screens at **6:30 p.m. on Thursday, February 4**, in FFB-05. As always, lively discussion will follow the screening, and junk food and great prizes will be offered. Everyone is welcome.

For more information about Bilkent Cinematics, please contact Hossein Dabir at dabir@bilkent.edu.tr or visit their Facebook page: <https://www.facebook.com/bilkentcinematics/>.

30 Years of Music at Bilkent



The Faculty of Music and Performing Arts admitted its first class of students in 1986, two years after the founding of Bilkent University. The university's first commencement in 1988 included graduates from the Department of Music. Those early graduates were students who had transferred from other conservatories to this innovative school as soon as it was established, responding to the great excitement it created in the field.

Since then, the Faculty of Music and Performing Arts has graduated many highly accomplished musicians and theatrical performers who pursue artistic careers both at home and abroad. The majority of Bilkent

graduates continue their studies; some have earned degrees at renowned schools such as Julliard and the Barenboim Academy, and gone on to perform at world-class venues including the Bolshoi Theater and Carnegie Hall.

In celebration of these three decades of music education and performance at Bilkent, the faculty is holding a 30th Anniversary Festival concert series in order to share the occasion with its graduates, students, academic artists and loyal audiences. It is hoped that the past 30 years are only the prelude to many more decades of success.

Tickets for the concerts may be purchased at

<http://www.biletiva.com/>.

Please see page 8 for the full program.

Recent Administrative Changes

The Main Campus Health Center has a new appointment due to the departure of its longtime head. Dr. Ülker Türksöy, who had served as manager of the center since 1988, resigned effective January 31.

Dr. Mete Salih Aker took over as Main Campus Health Center manager as of February 1.

Bilkent extends its gratitude to Dr. Türksöy for her invaluable services to the university during her long tenure and wishes her all the best in her future endeavors. The university also offers its best wishes to Dr. Aker as he assumes his new position.



At the University Library, Ms. Ebru Kaya has been appointed as director, effective February 1. Ms. Kaya took over the position from Asst. Prof. David Ewan Thornton, who will resume full-time research and teaching in the Department of History.

Bilkent extends its gratitude to Dr. Thornton for his dedication and hard work as director of the Library and wishes Ms. Kaya all the best in her new position.

EU's MSCA Program Funding Four Bilkent Researchers

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program, the MSCA grants support research training and career development focused on innovation skills. The MSCA program promotes innovative research training as well as career and knowledge-exchange opportunities through cross-border and cross-sector mobility of researchers, preparing them for current and future societal challenges and enhancing the attractiveness of research centers in Europe and Turkey.

With the support of MSCA fellowship grants, researchers are able to move from one country to another to

broaden or deepen their competences. In effect, the program leverages attempts to reverse the phenomenon of brain drain.

Applicants for MSCA grants face stiff competition from all over Europe. To date, Bilkent researchers have received a total of six grants.

The 2016 call for proposals for MSCA individual fellowship grants will be open from April 12 until September 14. For more information, please see <https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2226-msca-if-2016.html>.

NEWS

CS Student a Member of Winning Team at PennApps XIII

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of the winning team were Rob Roy Fletcher (University of Pennsylvania PhD candidate in physics) and Tom Hartley and Fu Yong Quah (second-year undergraduates at Imperial College London).

RAMEAR was so named because it acts as an “ear” that “listens” to a computer’s random-access memory (RAM). The team demonstrated that their program was able to leak data from a computer with no connection and that this data could be reconstructed on another computer with a radio receiver. The team took advantage of the fact that all electronics naturally generate radio waves while running electricity through wires.

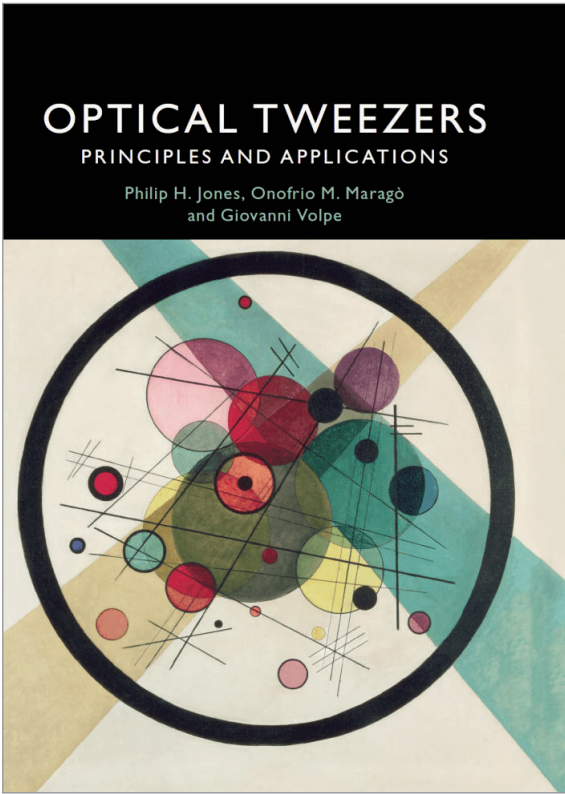
They used their computers in a specific way to access computer memory, and this increased the radio noise on the RAM's frequency. Their program repeated this access in binary periods to and from the target computer with no wireless connection. Finally, the team listened to the RAM's radio frequency channel and used signal processing techniques to reconstruct the data they had sent from the computer.

Giovanni Volpe Publishes Textbook on Optical Tweezers

(Continued from Page 1)

Combining state-of-the-art research with a pedagogic approach, the 568-page text provides a detailed guide to the theory, practice and applications of optical tweezers. In-depth derivation of the theory of optical trapping and numerical modeling of optical forces are supported by a step-by-step design and construction guide for building optical tweezers, with detailed tutorials on collecting and analyzing data. Also included are comprehensive reviews of optical tweezers research in fields ranging from cell biology to quantum physics.

The text is supplemented by the <http://opticaltweezers.org> website, a forum for discussion and a source of additional material including free-to-download, customizable research-grade software (OTS) for calculation of optical forces, digital video microscopy, optical tweezers calibration and holographic optical



tweezers.

The book is being used as the textbook for the “Optical Trapping and Optical Manipulation” course (PHYS464/PHYS564), which Dr. Volpe is offering this semester.

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Faces on Campus

By Berire Gündüz (CS/III)



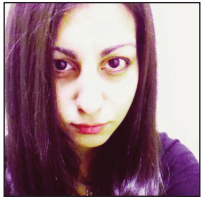
Name: Burak Ballı (LAW/II)
What's your favorite triple?
a) Movie: “Hachi: A Dog’s Tale”
b) Book: “Le Dernier Jour d’un Condamné” by Victor Hugo
c) Song: “Belle” from “Notre Dame de Paris”
Can you describe yourself in three words? “Excellent, perfect, modest”
If you could be anyone from the past, who would that be? “Yavuz Sultan Selim”
Who is your favorite cartoon character? “Bugs Bunny”
If you were a superhero, what super power(s) would you have? “Manipulating people in a second”
The place on campus where I feel happiest is... “the toilet in my dorm”
I have never... “given up”
What would be your last message on earth? “Come on in, the water is great”



Name: Dilara Ercan (CS/III)
What's your favorite triple?
a) Movie: “Spirited Away”
b) Book: “The Museum of Innocence” by Orhan Pamuk
c) Song: “Would?” by Alice in Chains
Can you describe yourself in three words? “Curious, quick-tempered, Lisztomaniac”
If you could be anyone from the past, who would that be? “Joan of Arc”
Who is your favorite cartoon character? “Edward in ‘Fullmetal Alchemist’”
If you were a superhero, what super power(s) would you have? “Time travel”
The place on campus where I feel happiest is... “Starbucks at MA Building”
I have never... “cheated on an exam”
What would be your last message on earth? “Be stubborn”



Name: Sena Kayasü (ARCH/IV)
What's your favorite triple?
a) Movie: “August Rush”
b) Book: “Momo” by Michael Ende
c) Song: Any song from “Razia's Shadow: A Musical” by Forgive Durden
Can you describe yourself in three words? “Funny, sarcastic, dedicated”
If you could be anyone from the past, who would that be? “Maya Angelou”
Who is your favorite cartoon character? “Jacob the raven in ‘Wunschpunsch’”
If you were a superhero, what super power(s) would you have? “The power to learn any skill by watching someone perform it (like that girl in ‘Heroes’)”
The place on campus where I feel happiest is... “in front of FF Building”
I have never... “jumped off a plane, nor do I ever plan to”
What would be your last message on earth? “If you're going through hell, keep going”



BY AYESHA BİLAL (PSYC/III)

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Bonds to Form and Bonds to Break

People often say it's hard growing up, but what does that phrase really mean? To answer that, I feel we must consider what growing up means for us as individuals, because to each of us it is something different. For one person it might mean being financially self-dependent and having a steady career; for someone else it might just be reaching a certain age where they have more freedom from the restrictions, both parental and legal, that young adults are subject to. For many, including myself, it is figuring out who you are as a person, what your interests are, and what things you don't need to keep in your life. It is not a grand, global-scale search, but rather a gradual understanding of ourselves and parts of ourselves that we've unwittingly created over the period of time we've been experiencing and reciprocating individual, and much of this self-discovery is facilitated by the people we surround ourselves with. Having

even one single person in your life who is parallel to yourself makes a world of difference in allowing yourself to open up and accept your own person.

Whether it's one individual or several, when there are people surrounding you whose behavior and reactions are conducive to creating an accepting and liberating environment, growing up as a person becomes an easier and clearer process. These people form a family of sorts, and if you're one of the many people like me, this self-made family helps you to thrive and grow in ways maybe even your real family could not. For a long time I would feel strange about the fact that I always felt closer and more connected to friends than to family, but as I got older and met more people who experienced the world in a way similar to the way I did, it allowed me to open up to my own self; that is, I did not need to meet anyone's expectations or be restricted by others' ways of living any more. Maybe not everyone can relate to me in this case of not feeling belongingness to your own blood; I don't expect that. But what I do expect is the feeling of connectedness to people that humans as social beings always desire and seek. This connectivity may come from your own family, but what I've learned in the process of growing up is that it's okay if it doesn't; that it's not a terrible thing

to feel, even though you love your parents and siblings, that you are not the same type of people. Or, instead of your parents, this may go for your closest friends, who, you suddenly or gradually start realizing, are not the type of people you feel your own person to be at peace with. The only difference is that you cannot cut yourself off from family the way you can do in the case of friends. For a long time I tried to achieve that by pushing myself away from them as much as I could, but another part of growing up was understanding that this was not necessary. Along with those people in your life that you choose as a family for yourself, it is also conducive to your self-growth to have people around you who challenge the direction of that growth and open up more paths for you to spread your roots in.

Regardless, the fact of the matter remains, at least as far as I can see, that growing up is a multifaceted process, and one of its most fundamental aspects is to establish yourself as an individual. You mustn't be afraid of eliminating some people from your life and adding others to it in order to stabilize it, and if this means letting go of the need to feel attached to your own family, then so be it. Family will always be there for you unconditionally, as is its purpose, but that ever-present, unconditional caring doesn't necessarily mean that those people will always understand

you at a more profound level. They might in fact do so, but then again, that understanding might come from a different source altogether, a stranger you meet by chance, a lifelong best friend or even a short-lived acquaintance—whatever the case, it is those select people who are synergic in mind and body and provide comfort and acceptance to our inner persons. For some time, I have searched for such an external connection in both family and friends, and getting to meet and form a bond with the right people has meant distancing myself from types of people I did not belong among, that I found I had inadvertently become friends with. And maybe as I grow older I'll keep growing up and consequently will find people even better suited to my own personal development.

This doesn't mean forgetting and divorcing friends who journeyed with you for so long, and grew with you as you grew with them—a special part of your life will always be dedicated to them. But it also doesn't mean stagnating because you feel obligated to maintain closeness with someone you simply don't feel that way about anymore. To journey through the lifelong process of self-growth means creating chapters for yourself, and every chapter is written more easily when you have companionship and a social environment to thrive in.



BY BERİRE GÜNDÜZ (CS/III)

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Dealing With Phobias

They wake you up from your sweetest dreams, they make you nervous all of a sudden, and they may even cause you to hide under a desk. They are your fears, and most of the time they're very illogical. However, you have to deal with them one way or another, because if you don't, they'll haunt your body and then they'll eat your soul, and after that they'll kill all your loved ones. So it's time to define some of these fears and to find ways to cope with them.

• Phobia of speaking in front of a crowd

As a student or someone who has a job, you'll have to speak in front of a crowd eventually. While you're still a student, you have more chances to avoid facing up to this fear. You can ditch school on presentation days. But be aware of the attendance requirements and act accordingly. If you've run out of days when you can be absent, then just sit there and start to cry. Because there's no running away from this presentation

now! The good news is that there's another solution. What anyone who's afraid of speaking in front of a crowd should do is to play dead, as if facing a bear. Crowds usually lose their interest in people who doesn't move at all. Their attention span is very short, and they get bored easily. If you don't move for a while, they'll lose interest in you too.

• Phobia of exams

Unlike presentations, you can't escape from exams. You can at most delay them. So you should fight with them by playing on their weakness, which is water. Many exams are printed on paper, and paper is quite weak in repelling water. So when you're faced with an exam, just pour a glass of water on your exam paper, and then joyfully observe how it



dissolves, like your fear of exams, in seconds.

• Phobia of spiders

Spiders are humanlike creatures with eight legs, and they've always been hated and feared by humans because



they're envied by humans. We would love to be spiders, with eight legs that can also be used as hands, spinning our own house without having to pay money for it and eating food that basically throws itself into our hands, such as flies; these are definitely things to be envious of. So your fear of spiders is caused by unconscious discrimination growing out of the thoughts of our ancestors, who envied them so much. My advice for people who are afraid of spiders is, "Be more open minded! But if that doesn't work, just kill them with fire, because that's what they deserve."

• Phobia of mothers

It's quite natural to be afraid of mothers, especially your own mother. With their never-ending expectations, which force you to be the best human being on earth, and with their warm smiles, which make you believe that you actually can be the best human being on earth (when in fact you're just a loser), they can cause anyone to become anxious in front of them.

Let's talk about how to overcome your fear of your mother. YOU CAN'T. Just go and wash the dishes, you lazy banana, and make sure you pass all of your courses at the end of the semester.

• Phobia of the future

You attended all your classes and took all the exams to fulfill your mother's expectations and live as happily as a spider in the future. But what if things don't go as well as you imagined? If you are concerned with "what if" questions like this, fear no more. Because bad things definitely and certainly will happen. There is no running away from this, and unlike crowds, life doesn't lose its interest in you unless you are actually dead. So maybe you should find a way to not be a human anymore. You can try talking with spiders about being accepted as one of them, but I don't think their answer will be positive after all of the things our ancestors did. What do you think about being a cockroach? I heard there was a guy who managed to become one!

Note 1: For real advice on how to deal with anxiety, you can check out this video:

<https://www.youtube.com/watch?v=vzpkY0zQSOk> (8 Anxiety Tips That Actually Work).

Note 2: If you want to add some other phobias and ways of dealing with them, contact me via e-mail.

MUSIC



BY ALTUĞ KARAKURT (EE/III)
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Making It With No Recipe

This week I want to introduce you to two of my favorite rap artists, who are overlooked and deserve much more recognition. I discovered them recently and have been playing their albums back to back on repeat for the last few months. I think they have a lot to offer to both dedicated hip-hop fans and also those discovering the genre.

Logic



Logic is a very ambitious rapper from Maryland, USA, in his mid-twenties. Despite his youth, he has

already gained widespread recognition in the underground hip-hop scene and has recently started appearing in the mainstream. His style covers a very wide spectrum of hip-hop, from very entertaining, memorable partying tracks to old-school, lyrical ones with a '90s vibe. In the four mixtapes he released, he proved his skill at switching between styles and his ability to deliver high-quality content, regardless of the direction he is going for. While this is a sign of his talent, it also keeps these releases from being cohesive. Harmony throughout an album is generally a very important aspect for me, but in the case of Logic's mixtapes, I found it quite interesting to see him switching between very different styles of hip-hop and still keeping the quality so high.

After his mixtapes, Logic released two official albums, "Under Pressure" in 2014 and "Incredible True Story" in 2015. I listened to both a few times and didn't enjoy them as much as I did his earlier releases. The albums were much more focused and Logic's style and lyrical skills were much more mature, but apparently the diversity of the earlier recordings was the real attraction for me. I don't think there are many other records that have samples from Nas, Frank Sinatra and soundtracks along with influences from artists like Kendrick Lamar and Drake at the same time. As Logic says himself on the opening track of his third mixtape, he has no recipe for his music. The structure and narrative style of almost every song is very different and creative in its own way.

Another aspect of Logic's artistry that I really like is the style of his lyrics, which are not dumbed down, but are still very approachable. He is able to write lyrics that are profound yet not drowned in too many references and metaphors. Thanks to this accessibility, it is possible to understand the lyrics and the references in a single listen and follow the story, which is not the case for the majority of narrative rappers. This is one of the reasons why I think Logic's mixtapes are very suitable for listeners who are trying to get into hip-hop.

Atmosphere

Atmosphere is a hip-hop duo, composed of the producer Ant and MC Slug, from Minnesota, USA. They have been active since 1989, but I discovered them only recently through their latest albums "Southsiders" and



"The Family Sign." I have played these two albums in the background while studying hundreds of times

during the last few months, and I'm still enjoying them. Atmosphere's lyrics are a little more complex than Logic's, but still very accessible, which makes their music good for casual listens.

The lyrical themes and literary style are quite characteristic of the duo, but in terms of production, Atmosphere is very versatile, again not sticking to a single song structure or recipe. One of Ant's greatest talents is his ability to compose tracks that are very dense and relatively complex for a hip-hop beat and still manage to keep them as backing tracks behind Slug's vocals. Some of the productions are based on light, chill piano phrases, while others feature layered synthesizers and drum machine beats. They even have an actual electric guitar lead on "January on Lake Street," which is a very rare instance in a hip-hop song.

In terms of lyrics, Slug generally talks about his personal experiences and offers his reflections on the everyday lives of average people. Themes such as friendship, relationships and his connection with fans occur very frequently, and the style he employs while narrating these makes the tracks quite enjoyable. Some of my favorites in terms of lyrics are "Not Another Day," on the growing pains of a teenager; "Became," on the drug addiction of a friend; and "Flicker," on his grief for his late best friend, the rapper Eyedea.

If you are looking for refreshing, chill, but satisfyingly complex hip-hop with dense lyricism and confident flow, definitely check out Atmosphere.

Through Your Eyes: Bilkent News Readers' Photos



Photograph by Süleyman Yasir Kula (CS/IV)

If you would like to share photographs you have taken on the Bilkent campus, please send them to us at bilnews@bilkent.edu.tr.

When space permits, we will choose one or two photos to publish in Bilkent News.

NEWS

Important Internet Security Information From BCC

We have seen an Internet fraud/threat referred to as "ransomware" become more and more widespread recently. The fraud/threat tries to make people open malicious e-mail attachments by deceiving the recipients with a replica of an invoice or bank statement, and by including correct personal information such as a phone number and/or an account number in the e-mail.

The e-mail usually mentions a higher than normal phone bill or bank transaction. If the recipient panics upon seeing this figure and opens the attachment to see the details, the ransomware encrypts files on the disks attached to the computer and asks for a ransom to provide the decryption key that can be used to restore the files.

Usually all documents, spreadsheets, drawings, presentation files, etc. are encrypted, and there is usually no way to restore the files without the decryption key.

Having anti-virus software installed on your computer is not guaranteed protection against this threat.

If the victim is using cloud storage, such as Dropbox or Google Drive, and the remote storage area is mounted as a disk drive (e.g., drive E:) for easy access, files on that drive (i.e., stored in the cloud) will also be encrypted. In this case, having backups on a cloud storage service will not help.

The most important protective action against mail-attached malicious programs is not opening attachments unless you are certain that the attachment is not an executable program.

MS Windows executable files have extensions that include: EXE, COM, JS, JSE, JAR, MSI, PIF, WS, WSF, SCR, SCF, REG, HTA, CPL, MSC, BAT, CMD, VB, VBS. (This is not an exhaustive list.)

Before opening an attachment, make sure that the file(s) do(es) not have one of the above extensions. Please also note that MS Windows operating systems usually hide file extensions and display a file's name as "invoice.doc" rather than its real name, "invoice.doc.exe".

To list a few precautions:

1. Never open unexpected attachments; if unsure, please contact the apparent sender to ask whether the e-mail and attachment are real.
2. Windows users: Uncheck the "hide extensions" option for your Explorer. Please refer to the Microsoft support site for the procedure pertinent to your OS version. Google keywords are "microsoft.com: windows explorer disable hide extensions".
3. Never open an attachment by double clicking it. Always save attachments to a directory and try to examine the contents.
4. Use Mozilla Firefox or Chrome to browse the web, and make sure that one of these is your default browser.
5. Use Mozilla Thunderbird as your

e-mail client software.

6. If you are using a cloud storage service, do not install the software that enables you to access this remote storage as if it were a local disk drive. Use the service's web interface to send and retrieve files to and from the cloud.

The increased incidence of ransomware has once again proved the importance of backing up data files. We want to remind our users to make frequent backups of their important files.

A few suggestions:

1. Use USB memory sticks or external USB disks (or similar devices) to copy your important files.
 2. Never overwrite existing backup files/directories while making backup copies on an external device.
 3. Every time you want to make a backup, create a new directory, named with the date of backup (e.g., 2015-03-23) and copy the files into that directory. If space is needed on the external device, remove the oldest directory and then start the new backup. An easier technique is to use two devices for making backups, labeling them "Odd days" and "Even days," and using the one corresponding to the calendar day.
 4. NEVER LEAVE THE EXTERNAL STORAGE DEVICE (USB MEMORY, EXTERNAL DISK, ETC.) CONNECTED TO YOUR COMPUTER. When the backup process is complete, unmount the device (via the "safe removal" procedure) and disconnect it from the USB interface.
 5. If you are a MS Windows user, make sure that the actual files, rather than their shortcuts, are copied onto the external device. The most reliable way to confirm this is by checking the size of the copied files and trying to open a few of the backed-up files on a different computer.
 6. You can use cloud storage services (DropBox, GoogleDrive, etc.) to store your backup files. If you do so, NEVER USE THE CLIENT APPLICATIONS THAT MAKE YOUR CLOUD STORAGE APPEAR AS A DRIVE ON YOUR COMPUTER. USE THE CLOUD STORAGE SERVICE ONLY, and use it ONLY THROUGH THEIR WEB INTERFACE. If you have installed the client software that makes your cloud storage appear as a disk drive on your computer, the ransomware will encrypt those of your files stored in the cloud as well. If you are a cloud storage user and have the service's client software installed, we strongly recommend that you uninstall it NOW.
- If you do not have backups of valuable files stored on your computer, back them up today, immediately—tomorrow could be too late!
- (Please note that backing up to a second hard disk or to a backup directory will NOT secure your files.)

Learning Through Doing, BIM Students Create PR Campaign



In cooperation with the BASE Company, fourth-year Department of Business Information Management students recently completed a project assignment for the BIM375-Public Relations course.

Students conducted a thorough analysis of the company and laid out strategies and tactics to enhance and promote BASE's image. In the process of designing a PR

campaign—complete with posters, brochures and flyers as well as social responsibility projects relevant to the company's profile—the students were able to apply the theoretical knowledge they had learned in their course to real-world business practices.

Arda Kahraman, BASE's CEO, praised the students' efforts and presented them with an award in recognition of their work.

Registration Underway for Spring Semester Sports Programs

The Physical Education and Sports Center has another great semester of healthy and fun activities

scheduled for spring 2016. The courses and programs being offered include: aerobics and step, aikido, archery, badminton, ballroom and Latin dancing, fencing, fit-boxing, fitness and strength training, horseback riding, kendo, Pilates, sayokan, squash, table tennis, taekwondo, tennis, wing tsun and yoga. There really is something for everyone to take part in, so we encourage you to get involved.

Registration for 2016 spring semester sports courses is underway at the Physical Education and Sports Center facilities (Dormitories Sports Hall and Main Sports Hall for students on Main Campus, and East

Sports Hall for students on East Campus), and will continue until **February 7**. All courses will begin the week of **February 8**. Please note that students can take some of these courses as elective credit courses.

To use any of the sports facilities or to participate in a sports course, you need to bring your Bilkent ID card with you each time you enter a facility. You can also reserve the mini football fields (halı saha), swimming pool lanes, tennis courts and squash courts over the phone or in person at the reception desks in the Dormitories Sports Hall and East Sports Hall one day in advance.

For more information, feel free to call the Sports Center at **ext. 1325** or **ext. 1993**. For the swimming pool, call **ext. 6909**. For East Campus sports facilities, call **ext. 5350**.

"Sports as a Way of Life" Basketball, Football and Volleyball Tournaments

If you'd like to compete in the basketball, football or volleyball tournaments soon to begin as part of the "Sports as a Way of Life" program, now is the time to get your friends together and organize a team.

Second-year students who play a minimum of three matches with their team will receive 40 points for GE 250 and/or 251.

FOOTBALL

Men (Mini Football Field)

Starting Date: February 22
Registration Deadline: February 15
Place: Dormitories Sports Hall
Fee: Free

Registration: Team information form should be filled out at the Sports Center in advance
Team Members: Minimum 8 / maximum 10

4-on-4 VOLLEYBALL

Men and Women (co-ed)

Starting Date: March 2

Starting Time: 6 p.m.

Registration Deadline:

February 28

Place: Dormitories Sports Hall

Fee: Free

Registration: Team information form should be filled out at the Sports Center in advance

Team Members: Minimum 6 / maximum 8

3-on-3 BASKETBALL

Men and Women (separate groups)

Starting Date: March 3

Registration Deadline: February 28

Fee: Free

Registration: Team information form should be filled out at the Sports Center in advance

Team Members: Minimum 4 / maximum 6

Team Names: Should be in Turkish

For information: Sports Center

E-mail:

sporyasamdir@bilkent.edu.tr

Submission Guidelines for Bilkent News

Articles or announcements are to be written in English, no longer than 200 words and related to academic, social or cultural events at Bilkent or the activities of Bilkent students, faculty members or administrators.

Submissions related to a specific event should also include the date, time and location of the event mentioned, and the name, telephone extension and e-mail address of the person or persons to contact for more information about the event.

In order to be considered for inclusion in the following Tuesday's issue, submissions must be handed in by **10 a.m. on Wednesday**.

Short event announcements and Bilkent Ad items may be submitted as late as **11 a.m. on Thursday**.

Connect with Bilkent via:

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BİLKENT NEWS



Bilkent Üniversitesi

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Yayın Kurulu: Kürşat Aydoğan,
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Basıldığı Yer: Meteksan
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Bilkent News (ext. 1487) welcomes feedback from readers. Please submit your letters to bilnews@bilkent.edu.tr. The Editorial Board will review the letters and print them as space permits.

100% Post Consumer



PUZZLE... PUZZLE... PUZZLE...

Games Editor: Desdina Kof (MATH/IV)



SUDOKU

Here are three puzzles: a Samurai Sudoku, and two regular Sudokus.

The Samurai Sudoku puzzle is made up of five smaller Sudoku puzzles: one in the center and the other four overlapping the corner grids of the central one. Each of the smaller puzzles has the same rules as a classical Sudoku: each row, column and 3x3 grid must contain all of the digits 1 to 9.

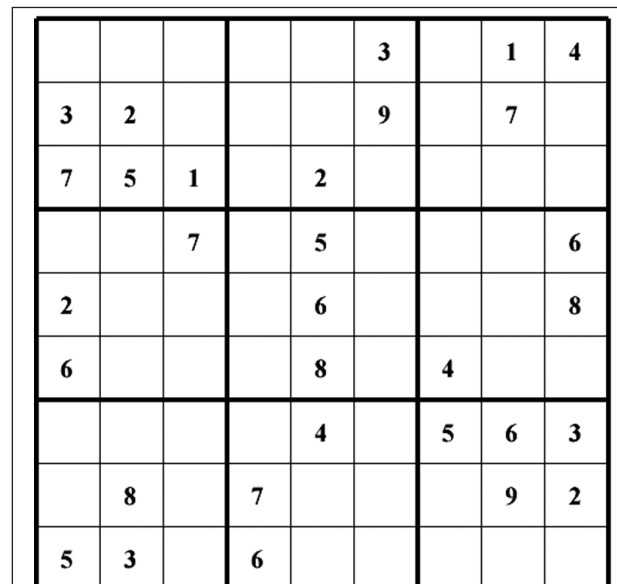
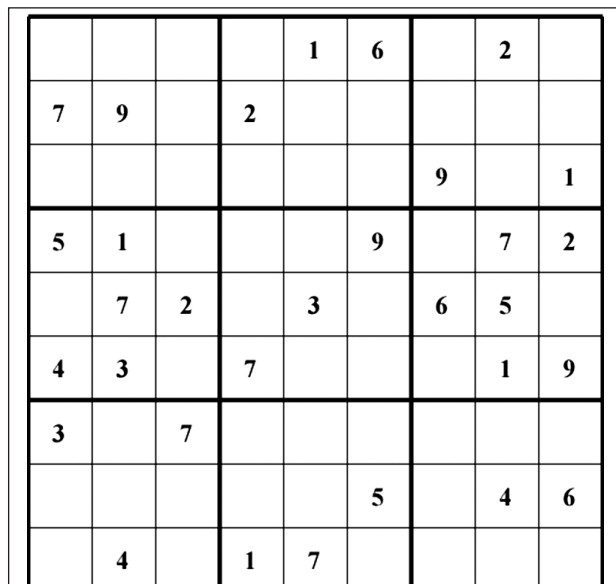
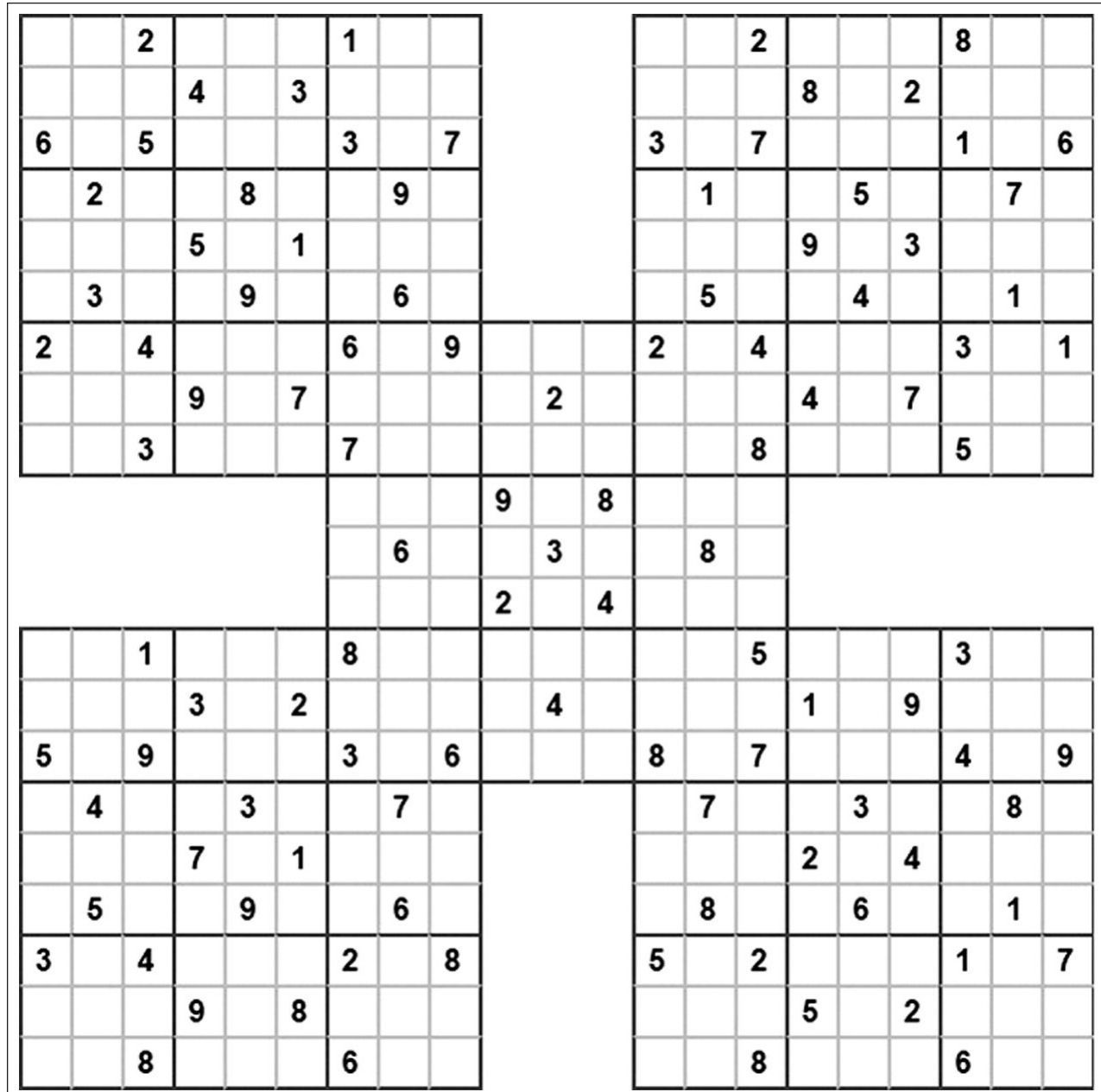
Submit the contents of the diagonal going from the top left to bottom right of each puzzle to win a prize. Good luck!

Last week's answers: Sudoku 1: 721 167 718 Sudoku 2: 768 728 452

Samurai Sudoku: 261 862 879 439 526 859 549

Send in your e-mail with the right answer to puzzle@bilkent.edu.tr and get a chance to win!

Prizes will be: dessert and coffee from Mozart Cafe (one each for three winners); coffee from Coffee Break (two each for two winners); hot chocolate from Cafe Fiero (one each for five winners); and chocolates from Bind Chocolate (two winners).



Bilkent CALENDAR



30th ANNIVERSARY FESTIVAL: 30 YEARS OF MUSIC AT BİLKENT

Wednesday, February 10

"Guitar Company"

8 p.m. | Bilkent Concert Hall

Adilhoça Aziz, violin
Merve Başoğlu, flute
Barok Bostancı, viola
Elif Başak Genç, viola
Sema Hakioglu, viola
Alpay Jan İnkilap, violin
Yeliz Kızılay, violoncello
Aysegül Koca, guitar
Kağan Korad, guitar
Bahar Kutay, violin
Sergey Margulis, double bass
Irina Nikotina, violin
Artur Rahmatulla, violoncello
Özberk Miraç Sarıgül, guitar
Yiğit Ülgen, violoncello
L. Boccherini, Guitar Quintet in D major, G. 448
F. Schubert, Quartet for Guitar, Flute, Viola and Violoncello
F. Say, "Kumru Ballad"
N. Başgömezler, "Yamacıma Gel"
T. Erdener, "Afife, Ziya'nın Rüyası"
T. Erdener, "Lorca Tango"

Wednesday, February 17

"Musical Bonds"

8 p.m. | Bilkent Concert Hall

İdil Bursa, violoncello
Serdar Rasul, violoncello
Zerin Rasul, piano
İlgin Top, violin
F. J. Haydn, Concerto for Violoncello in C major
D. Popper, "Hungarian Rhapsody," Op. 68
G. Enescu, Ballade
F. Waxman, "Carmen Fantasie"
L. van Beethoven, Sonata for

Violoncello No. 3 in A major, Op. 69

F. Chopin, Polonaise Brillante in C major, Op. 3

Wednesday, February 24

"Tribute to Hoca Bey – Pianissimo"

8 p.m. | Bilkent Concert Hall

Duo Blanc & Noir
Selin Şekeranber, piano
Yudum Çetiner, piano
Yoonie Han, piano
J. S. Bach–F. Busoni, Chaconne (from Partita No. 2 in D minor for Solo Violin, BWV 1004)
C. Debussy, Suite Bergamasque No. 3, "Clair de Lune"
F. Liszt, Grandes Études de Paganini No. 6, "La Campanella"
G. Gershwin, "Rhapsody in Blue"
F. Say, "İstanbul'da Kış Sabahı"
D. Shostakovich, Concertino
S. Rachmaninov, "Vocalise"
W. Lutosławski, Variations on a Theme of Paganini
F. Say, "Alla Turca Jazz"

Wednesday, March 2

"The Breath of Music"

8 p.m. | Bilkent Concert Hall

Brassmania
Julian Lupu, trumpet
Renato Lupu, trumpet
Cem Güngör, trombone
Peter Körner, trombone
Noriyoshi Murakami, tuba
Deniz Arda Başuğur, trumpet
Mutlu İşdar, flute
Sevgi Varol, bassoon

C. Chaminade, Concertino
A. Vivaldi, Concerto for Bassoon in B flat major
J. N. Hummel, Concerto for Trumpet in E major
L. Anderson–C. Schwaighart, "Bugler's Holiday"
G. Dinicu, Hora Staccato
S. Verhelst, "Song for Japan"
R. Wagner–J. Stanton, "Lohengrin" Prelude
W. A. Mozart–Philip Burratal, "Samba alla Turca"
Handy–Henderson, "Beale Street Blues"
J. Stanton, "Celtic Suite"
J. Kosma–P. Bryan, "Autumn Leaves"
L. Henderson, "Tuba Tiger Rag"

Wednesday, March 9

"From Keys to Strings"

8 p.m. | Bilkent Concert Hall

Ayur Trio
Hülya Keser, piano
Adelina Hasani, violin
Paul Uytterlinde, violoncello
Tuna Bilgin, piano
L. van Beethoven, Piano Sonata No. 5, Op. 10
R. Schumann, "Scenes From Childhood," Op. 15
F. Chopin, Impromptu No. 3, Op. 51
P. I. Tchaikovsky, Piano Trio in A minor, Op. 50

Wednesday, March 16

"The Splendor of Opera Singing"

8 p.m. | Bilkent Concert Hall
Esra Abacıoğlu Akcan, soprano

Doğa Bilici, soprano
Selinay Duman, soprano
İlayda Erenler, soprano
Kağan Korad, guitar
Umut Kosman, baritone
Beran Sertkaya, bass-baritone
Ayhan Uştuk, tenor
W. A. Mozart, "Via resti servita" from "Le Nozze di Figaro"
J. S. Bach, "Quia respexit" from the "Magnificat"
A. Dvorak, Arias from "Rusalka"
C. Gounod, "Je veux vivre" from "Roméo et Juliette"
L. Delibes, "Sous le dôme épais" from "Lakmé"
G. Bizet, "Votre toast, je peux vous le rendre" from "Carmen"
W. A. Mozart, "Hai già vinta la causa" from "Le Nozze di Figaro"
W. A. Mozart, "Là ci darem la mano" from "Don Giovanni"
P. I. Tchaikovsky, "Kuda kuda vy udalilis" from "Eugene Onegin"
L. Bernstein, "Glitter and be gay" from "Candide"
F. P. Tosti, "L'Ultima Canzone"
T. Barrera–R. Calleja, "Adiós Granada" from "Emigrantes"
G. Verdi, "Io morro" from "Don Carlos"
G. Puccini, "O Mimì tu più non torni" from "La Bohème"
J. Adams, "I am the wife of Mao Tse-tung" from "Nixon in China"
G. Donizetti, "Chi mi frena in tal momento" from "Lucia di Lammermoor"

LECTURES

Thursday, February 4

"Myth, Politics, and Empire: The Black Sea Region During the Hittite Period," by İlgi Evrim Gerçek (Istanbul University), at FEASS, H-132, **5:40 p.m.** Organized by HART.

CONFERENCES

Friday, February 5

Nanocolloquium Series: "Mechanical Aspects: Fight of Immune Cells Against Bacterial Infections," by Prof. Viola Vogel (Laboratory of Applied Mechanobiology, ETH, Zurich), at UNAM Conference Room, **3:40 p.m.** Organized by UNAM.

PLAYS

February 11, 18

"No Exit," (One act, Turkish), at FMPA Theater Hall, **8 p.m.**

SEMINARS

Wednesday, February 3

"Network Hazard and Bailouts," by Selman Erol (University of Pennsylvania), at FEASS, A-228, **3:40 p.m.** Organized by ECON.

Traffic Safety Programs

In cooperation with Doğuş Otomotiv, the Bilkent University Traffic Committee is holding a traffic safety orientation program and simulation training sessions for students who drive. The orientation program will take place on **Tuesday, February 2**, from **5:40 to 7:40 p.m.** in V Building, room # V-01; the simulation sessions will be held on **February 2, 3 and 4** in the Traffic Office, located in room # Z-51 of the FEASS building.

Please note that based on the decision made by the Traffic Committee, students with past violations on their records will be able to have violation points deducted from the total if they attend these programs: five points for the orientation program, three points for the simulation training, and eight points for both programs.

The orientation program will be held in Turkish.