

IMU



Professor László Lovász is the first combinatorialist to become the president of the International Mathematical Union. Professor Lovász is one of the leading mathematicians, combinatorialists, and computer scientists of present time. His visit to IPM and Iran is a great honor and pleasure for all of us over here. The mathematical community will be the main beneficiary of this visit.

Yesterday, I had a 10 minute talk with Prof. Lovasz about IMU and some highlights of this talk are:

- IMU has some important tasks and goals: One of these is the organization of the international congress of mathematicians, every 4 years, and a big event for mathematicians where the main prizes are handed out, and a carefully selected group of experts give talks surveying the most important results of the last years. The organization of this, including the selection of the speakers, involves hundreds of mathematicians for the 4 years.
- One of the most important aims of IMU is to help the developing countries, for example, through financial aids for developing countries to organize conferences, workshops, ...
- Financial assistance for scientists to participate in conferences, workshops, ... all over the world
- IMU also has a commission to deal with issues of instruction of mathematics in schools and colleges.
- Besides permanent, long time issues like the above, IMU is trying to provide information and developed common opinions about issues that interest mathematicians at a given time. Two such issues right now are:
- How to make available all the mathematical publications of the past through internet for free, or as free as possible?
- When can we accept the use of scientometric methods (impact factors, citations) in the evaluation of our work?

Tania Parsa

The International Mathematical Union grants three Prizes:

Fields Medal



Rolf Nevanlinna Prize



**Carl Friedrich Gauss Prize
for Applications of Mathematics**



IMU Prizes are awarded every four years at the Opening Ceremony of the International Congress of Mathematicians (ICM). The **Fields Medal** recognizes outstanding mathematical achievement. The **Rolf Nevanlinna Prize** honors distinguished achievements in mathematical aspects of information science. These two prizes are given to mathematicians under 40. The **Carl Friedrich Gauss Prize** is awarded for outstanding mathematical contributions that have found significant applications outside of mathematics.

Announcement

Special Issue of "Linear Algebra and its Applications" (LAA)

There is planned a special issue of LAA devoted to selected papers presented at the First IPM conference on Algebraic Graph Theory, April 21-26, 2007, Tehran, Iran. Special editors are Gholamreza B. Khosrovshahi (rezagbk@ipm.ir), Bojan Mohar (mohar@sfu.ca), and Peter Rowlinson (prl@stirling.ac.uk). Submission deadline is August 15, 2007. Papers can be submitted to one of these special editors or to LAA editor-in-chief, Richard Brualdi (brualdi@math.wisc.edu).

From Mathematical Apocrypha

John Horton Conway spoke at a recent event honoring H.S.M. Coxeter on his ninety-fifth birthday. Conway allowed that Coxeter had been an inspiration to him even very early in life: as a teenager, Conway had corresponded with Coxeter on problems of mutual interest. However, cautioned Conway, Coxeter was not always a positive influence. Once he was thinking about a Coxeter problem while crossing the street, and he was hit by a garbage truck.

Daily Program

9:00-10:00	10:00-10:30	10:30-11:00	11:00-12:00	12:00-14:00
W. Haemers	N. Ghareghani	Coffee Break	B. Mohar(2)	Lunch
14:00-14:30	14:30-15:00	15:00-15:30	15:30-16:30	16:30-17:00
S. Moradi	F. Mohammadi	Coffee Break	P. Rowlinson (2)	M. Alaeiyan

Chairman of the morning session: Chris Godsil
Chairman of the afternoon session: Steve Kirkland

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Sad- Abad Palace

Museums

Sad Abad has 18 palaces, which 7 palaces had changed to museums.

Nation Palace: Shah Reza summer villa

Nation Arts Museum (or Africa Museum): Situated in Nation Museum, where Chinese, Indian's and African's Dedications to Shah, is protected

Green Museum: Shah Reza Summer Palace

Anthropology Search Museum: Any kind of Iranian customs, related to culture and civilization of ancient Iran are showed

Military Museum: Equipment and Weapons from Achaemenian period to now

Mir Emad Museum: Calligraphy Masterpieces of Mir Emad and his period other calligraphists

Abkar Museum: Klara Abkar Paintings

Behzad Museum (miniature): Hossein Behzad Paintings

Fine Art Museum: 18th & 19th century European Paintings

Water Museum: Keeping, restoring and revenue operation of water in Iran

Nation Palace

First floor was built in 1932 for Mohammad Reza Shah. Rooms are covered with valuable rugs as follows:

1-Ground floor lobby: Whole silk Kashan rug, 63 sq. m. and whole silk Kerman rug in three sections.



2-Living room: 121 sq. m. Kerman rug (Arjmand workshop), medallion corner design.

3-Dining room: 86 sq. m. Kerman rug, Abbasi flower design.

4-Wating room: 56 sq. m. Kerman rug, Medallion Arabesque design.

5-Working room: 73 sq. m. Kerman rug, Medallion corner

Second Floor

Farah bedroom: 75 sq. m Kerman rug (70 wales), medallion corner; and a small pictorial rug with Sheik Sana'an and Christian girl portrait.

Dining room: 145 sq. m. Meshed rug (Amu Oghli workshop), Flower Arabesque design, related to Sheikh Safi Ardebili design, 16th century.

Ceremony Hall: 143 sq. m. Meshed rug, medallion two Vase design.

Living room: 51 sq. m. Meshed rug, medallion corner.

Bedroom: 55 sq. m. Kerman rug, Shah Abbasi, medallion corner.

Lobby: 73 sq. m. Yazd rug. There is also, some coral and ivory decorative things. Around, some color paintings 350 × 810 cm. are found, with epic poem subjects.

In north and south side, Bahram Gour in hunting, in west, Rostam and China

Emperor fight, which are painted by Hossein Taherzadeh Behzad in 1941.

In this palace, also found, valuable furniture, porcelains and candelabrams, which are mostly dedicated by foreign countries.

Green Palace

Green palace was built during six years (1922 to 1928) in Reza Shah period, by Jafar Kashani. This palace is covered with three different stones:

- 1) Isfahan green stone
- 2) Khamseh Zanjan in middle
- 3) Italian stone for columns

And have two stages:

Waiting room: 70 sq. m. Kerman rug (70 wales), Shah Abbas design, Silver and gold tissue curtains, with a harmony between carpet, plaster-molding and mirror work.



Reza Shah working room: By a valuable rug, called Zelleh Soltan, 40 sq. m. Tehran rug (30 wales) ,medallion corner (Botteh) flower design is covered. Walls are decorated by Behzad paintings.

Ceremonies Hall: 80 sq. m. Meshed rug (120 wales) flower Arabesque design and the best kind of mirror works on wall and ceiling.

Reza shah Dinning room: 40 sq. m. Yazd rug (40 wales), Arabesque design, with Behzad paintings on wall.

Corridor: Walls are covered by French Cashmere. Personal Facilities of Reza Shah are placed to be shown.

Reza Shah Bedroom: 4 sq. m. Sarough (Arak) rug (100 wales) medallion corner design covered the floor. Plaster-molding, mirror works and rug have a uni-design.

Living room: Two carpets cover the floor:

1)12 sq. m. (70 wales) Sheik Lotfollah Dome design

2)Isfahan small rug, flower Arabesque design.

Ceremony Hall: Here, find many decorative foreign things; the best is a silver vessel with 110 kilogram weight.

Other palaces are:

Rojat Palace

Ebrat Palace (Mother)

Vessels Museum (Ashraf Palace)

Dafineh Museum

Farideh Diba Palace

Narural History Museum

And others which are not museum:

1. *Shahram Palace*

2. *Prince Palace*

3. *Leila Palace*

4. *Farahnaz Palace*

5. *Hamid Reza Palace*

6. *Gholamreza Palace*

7. *Nasiri Palace*

8. *Twin Ghajar Palace*



In west of this big Palace, a pottery workshop and in south a painting workshop are placed.







