ISRAEL MATHEMATICAL UNION (RA)

Prof. Louis Rowen, President
Prof. Uzi Vishne, Secretary
Dr. Tahl Nowik, Treasurer

Israel Mathematical Union האגוד הישראלי למתמטיקה

האיגוד הישראלי למתמטיקה (ע"ר)

פרופ' אליעזר רואן, נשיא
פרופ' עוזי וישנה, מזכיר
ד"ר טל נוביק, גזבר

3 מרץ 2011 March, 2011 3

פרס חיים נסיהו במתמטיקה לשנת תשע"א

פרס חיים נסיהו במתמטיקה לשנת תשע"א (2011) מוענק לד"ר **לב בוכובסקי** מאוניברסיטת תל-אביב. נימוקי ועדת הפרס מובאים להלן.

2011 Haim Nessiyahu Prize in Mathematics

The Haim Nessiyahu Prize in Mathematics for the year 2011 is awarded to Dr. **Lev Buhuvsky**. from Tel-Aviv University. The prize committee citation follows

Citation:

The Nessiyahu Prize committee received 6 Ph.D. dissertations. All were of very high calibre, and more than one deserved a prize. Yet, taking into consideration the written rules of the Nessiyahu Prize and a special request by the donors not to split it, the committee decided to award only one prize this year.

The committee decided unanimously to award the Nessiyahu Prize for תשע"א to **Lev Buhovsky**, for his dissertation "*Topological and Functional Rigidity in Symplectic Topology*", written under the supervision of Prof. Paul Biran, and submitted to the senate of TAU in June 2009.

Buhovsky's thesis contains a collection of very strong results in a fast developing area, which attracts the attention of eminent mathematicians worldwide. Introducing new points of view to attack old problems, and displaying formidable technical strength, Buhovsky addressed in his thesis three different questions. He proved the Audin conjecture on the Maslov class of Lagrangian tori in Euclidean space for the important class of monotone tori. Secondly, he dealt with questions of symplectic packing, where he complemented results of Biran and Cornea by showing they were optimal. Thirdly, he proved a surprising result on the rigidity of the Poisson bracket under continuous deformations. His

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quantitative result, already known among the experts as "Buhovsky's 2/3 law" was described by the referees as "fantastic" and ground-breaking.

Buhovsky's thesis resulted in 4 papers in leading journals, and made an impact on the whole symplectic community. One of the referees summarized his letter by saying "I know of very few people who at an early age made such a significant contribution to different aspects of symplectic geometry".

Prof. Udi De-Shalit,
Prize committee chairman

Prof. Louis Rowen,
President