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Having been published over more than thirty years “Lithuanian Proceedings in Mechanics” (“Lietuvos mechanikos rinkinys”, “Литовский механический сборник”) have become known for hundreds of researchers in many countries. Publishing of these proceedings was a significant component of Lithuanian research activities. It is reasonable to review the history of the journal (if it is possible to call it a journal because it has never been periodical).

The journal has originated from three volumes of conference proceedings of the Vilnius Branch of the Kaunas Polytechnic Institute¹. These proceedings marked an emergence of a new team of researchers in Vilnius - researchers who were interested in applying a new field of mathematics - mathematical programming - to some problems of structural mechanics.

During the soviet occupation a special Moscow permission was an indispensable condition for creating any new journal in Lithuania. Therefore in 1967 not a new journal, but a new branch of Proceedings of Lithuanian Higher Education Institutions was initiated for publications of applied and theoretical mechanics. A special title - “Lithuanian Proceedings in Mechanics” (LPM) was given to the branch. Even when all the proceedings were to have different subject titles (Table 1) this title was included as a subtitle.

The editorial board of LPM consisted of researchers from several institutions of higher education: A.Čyras (Editor-in-Chief, vol. 1-33), A.Čižas (Executive Secretary, vol. 1-33), and D.Maciulevičius (vol. 19-33) from the Vilnius Civil

Engineering Institute, V.Klimavičius (vol. 1-18), S.Vasauskas (vol. 1-18), J.Baušys (vol. 19-32), and V.Paliūnas (vol. 19-33) from the Kaunas Polytechnic Institute, B.Voronkovas (vol. 1-18) from the Vilnius University.

Because of typographical difficulties in Lithuania the journal was published irregularly; sometimes two or three years passed from handing the papers for a volume to its publication (Table 2). Nevertheless, each volume was welcome in Lithuania and neighbouring countries because of their new ideas, new problems and new solutions. Some tens of Lithuanian researchers made a core of permanent authors: 46 authors are listed in Table 3, other 129 authors have published one, two or three papers in the LPM.

Table 1. Titles of “Lithuanian Proceedings in Mechanics” volumes in 1978-1989

| | |
|---------|---|
| Vol. 19 | Mathematical Analogues and Algorithms for Problems of Applied Mechanics, 1978 |
| Vol. 20 | Optimization in Structural Mechanics, 1979 |
| Vol. 21 | Structural Dynamics and Strength, 1979 |
| Vol. 22 | Mathematical Analogues and Algorithms for Design of Deformable Structures, 1980 |
| Vol. 23 | Engineer Problems in Applied Mechanics, 1981 |
| Vol. 24 | Formulating and Solving Problems of Structural Mechanics, 1981 |
| Vol. 25 | Dynamics and Strength of Machines and Structures, 1982 |
| Vol. 26 | Problems of Theoretical and Applied Mechanics, 1983 |
| Vol. 27 | Applied Mechanics and Optimization, 1984 |
| Vol. 28 | Investigations in Structural Strength and Dynamics, 1986 |
| Vol. 29 | Solution Methods for Problems of Structural Mechanics, 1987 |
| Vol. 30 | Theoretical and Applied Problems of Mechanics, 1988 |
| Vol. 31 | Mechanics of Deformable Structures, 1989 |

¹ Proceedings of the XIV, XV, and XVI Scientific-Technical Conferences (Vilnius Branch of the Kaunas Polytechnical Institute): Vilnius, “Mintis”, 1964, 83 p.; 1965, 113 p.; 1966, 107 p. (in Russian).

Table 2. Publication dates of "Lithuanian Proceedings in Mechanics"

| Vol. | Date of issue* | Number of pages | Number of papers |
|-------|------------------|-----------------|------------------|
| 1 | February, 1968 • | 165 | 13 |
| 2 | December, 1968 | 191 | 16 |
| 3 | April, 1969 • | 187 | 18 |
| 4 | February, 1970 • | 125 | 10 |
| 5 | February, 1970 • | 95 | 9 |
| 6 | January, 1971 • | 179 | 14 |
| 7 | June, 1971 • | 99 | 7 |
| 8 | February, 1972 • | 143 | 10 |
| 9 | December, 1972 • | 103 | 10 |
| 10 | May, 1973 • | 119 | 9 |
| 11 | April, 1974 •• | 121 | 9 |
| 12 | May, 1976 ••• | 147 | 12 |
| 13 | June, 1974 • | 93 | 9 |
| 14-15 | May, 1976 •• | 132 | 12 |
| 16 | December, 1976 | 131 | 13 |
| 17 | May, 1978 • | 119 | 15 |
| 18 | February, 1978 • | 113 | 10 |
| 19 | January, 1979 • | 103 | 9 |
| 20 | July, 1980 • | 135 | 12 |
| 21 | January, 1981 •• | 133 | 16 |
| 22 | December, 1981 • | 97 | 8 |
| 23 | November, 1981 | 126 | 9 |
| 24 | December, 1981 | 68 | 8 |
| 25 | December, 1982 | 175 | 15 |
| 26 | December, 1983 | 190 | 16 |
| 27 | January, 1985 • | 87 | 11 |
| 28 | March, 1986 | 226 | 16 |
| 29 | July, 1987 | 168 | 16 |
| 30 | June, 1988 | 187 | 19 |
| 31 | May, 1989 | 145 | 14 |
| 32 | June, 1990 | 92 | 7 |
| 33 | April, 1994 | 160 | 16 |
| | | 4354 | 388 |

*Here an actual date of publication is pointed out in spite of the fact that many volumes are marked on their title pages by an earlier year: every year of delay is marked by one symbol • in this column.

The volumes of the LPM have covered many areas of theoretical and applied mechanics but the largest portion of the content was devoted to the structural optimization and applications of mathematical programming in structural mechanics (Table 4).

Table 3. Authors of "Lithuanian Proceedings in Mechanics"

| Author | Number of published papers in volumes | | |
|-----------------|---------------------------------------|---------|---------|
| | 1 - 10 | 11 - 20 | 21 - 33 |
| G.Abaravičius | -- | 2 | 3 |
| J.Atkočiūnas | 2 | 7 | 13 |
| P.Baradokas | 2 | -- | 2 |
| J.Barauskas | 3 | 1 | -- |
| R.Baronas | 5 | 1 | -- |
| P.Baublys | 4 | 1 | 2 |
| J.Baušys | 4 | -- | 1 |
| M.Bogdevičius | -- | -- | 6 |
| A.Borkauskas | 5 | 1 | -- |
| I.Cypinas | 9 | -- | -- |
| A.Čyras | 32 | 14 | 12 |
| A.Čiučelis | 4 | -- | -- |
| A.Čižas | 10 | 15 | 11 |
| V.Dulman | -- | 4 | 7 |
| A.Jakštas | -- | -- | 5 |
| V.Jokūbauskas | 1 | 2 | 3 |
| J.Jurevič | -- | -- | 4 |
| R.Kačianauskas | -- | 1 | 11 |
| R.Kagan | -- | 1 | 6 |
| V.Kagan | 5 | 6 | 7 |
| S.Kalanta | 1 | 8 | 7 |
| V.Kamaitis | -- | 4 | -- |
| V.Kargaudas | 1 | 1 | 4 |
| R.Karkauskas | 4 | 4 | 4 |
| A.Kavolėlis | 1 | 5 | 10 |
| A.Krenevičius | -- | 1 | 4 |
| A.Krutinis | 3 | 1 | 3 |
| M.Leonavičius | -- | 5 | 3 |
| D.Maciulevičius | 17 | 5 | 8 |
| B.Mažuolis | 2 | 4 | 1 |
| J.Nagevičius | 6 | 1 | 1 |
| R.Nogis | -- | 7 | 2 |
| V.Paliūnas | 5 | 10 | 9 |
| A.Paliūnienė | 1 | 3 | -- |
| L.Rimkus | -- | -- | 4 |
| A.Saulis | -- | 3 | 5 |
| V.Skakauskas | -- | 5 | -- |
| J.Slavėnas | 6 | -- | -- |
| B.Spruogis | 1 | -- | 9 |
| A.Stravinskas | -- | 7 | 1 |
| S.Stupak | -- | 1 | 3 |
| M.Šukšta | -- | -- | 5 |
| V.Turla | -- | -- | 5 |
| B.Užpolevičius | 1 | -- | 3 |
| A.Žiliukas | 4 | 1 | 4 |
| E.Žukienė | -- | 3 | 2 |

All the papers in volumes 1-32 of the LPM have been published in Russian with Lithuanian and English summaries. The renaissance of the Lithuanian political and cultural life after restoring the State of Lithuania gave a new impulse for the Lithuanian researchers in mechanics. Lots of new contacts with researchers of Western countries, new possibilities of academic mobility have expanded the list of investigation areas and changed the character of scientific cooperation. The Lithuanian Association for Computational Mechanics (from 1991 a member of the Nordic Association for Computational Mechanics) together with the Vilnius Technical University have decided to continue publishing of LPM in English under a new title "Lithuanian Journal of Computational Mechanics" (without changing the Lithuanian title).

In spite of a success in collecting an interesting content of the volume 33 published in 1994 and of good prospects for the future, this issue was the first and the last one. The Science Council of Lithuania has decided to integrate various scientific proceedings to a limited number of scientific journals. Now Lithuanian researchers in mechanics are publishing their papers in journals "Mechanika" (Mechanics) and "Statyba" (Civil Engineering).

"Lithuanian Proceedings in Mechanics" has made a significant contribution in the field of Lithuanian science. It has facilitated the education and training of many young researchers in mechanics, it has spread new scientific approaches proposed by institutions of higher education of Lithuania.

"LIETUVOS MECHANIKOS RINKINYS" 1967-1994

A. Čižas

Santrauka

"Lietuvos mechanikos rinkinio" (LMR) daugiau kaip trisdešimties metų leidybos istorija yra verta apžvalgos, nes ji labai susijusi su visa Lietuvos mechanikos mokslo raida. Net ir tada, kai buvo reikalaujama kiekvienam mokslo darbų rinkiniui teikti teminį pavadinimą (1 lent.), LMR serija nenutrūko. Dažniausiai dėl menkų poligrafinių galimybių LMR numeriai išeidavo vėliau negu buvo pažymėta titulinuose lapuose (2 lent.), tačiau ir su pavėlavimu paskelbtos mokslinės idėjos bei tyrimų rezultatai buvo dėmesingai sutinkami ne tik Lietuvoje. Daugelis Lietuvos mokslininkų buvo nuolatiniai LMR autoriai (3 lent.), jie aprėpė įvairias tyrimų šakas (4 lent.).

Spausdintas ilgą laiką rusų kalba su lietuviškomis ir angliškoms santraukomis, 1994 m. anglų kalba išleistas rinkinys (Nr.33) atspindėjo naują Lietuvos mokslininkų bendradarbiavimo kryptį. Tačiau Lietuvos mokslo tarybai integravus mokslinių žurnalų leidybą, "Lietuvos mechanikos rinkinys" nustojo ejęs; dabar mechanikos krypties mokslinių tyrimų rezultatai skelbiami žurnaluose "Mechanika" ir "Statyba".

Algirdas Eduardas ČIŽAS. Doctor Habil, Professor. Vilnius Gediminas Technical University, 11 Saulėtekio Ave, 2040 Vilnius.

Both doctoral dissertations (1967, 1974) were devoted to the problems of structural optimization. 1976-1994 Head of the Department of Strength of Materials, 1980-1987 Dean of Civil Engineering Faculty. Author of textbooks. Research interests: structural optimization, analysis of elastic-plastic strainhardening structures, quality assessment in higher education.

Table 4. Subject areas of the LPM papers

| Subject area | Number of published papers in volumes | | |
|---|---------------------------------------|-------|-------|
| | 1-10 | 11-20 | 21-33 |
| Mathematical programming for the structural analysis | 26 | 10 | 21 |
| Structural optimization: | | | |
| general items | 3 | 1 | 2 |
| elastic behaviour | 24 | 7 | 6 |
| plastic behaviour | 19 | 23 | 20 |
| creeping | -- | 3 | 3 |
| Mechanical analysis of structural members: | | | |
| statics | 9 | 12 | 34 |
| dynamics | 2 | 11 | 10 |
| Mechanics of structures in a liquid | 6 | 8 | 9 |
| Mechanics of fracture | 2 | 5 | 9 |
| Experimental investigations, mechanical properties of materials | 19 | -- | 2 |
| Analysis and design of mechanisms | 1 | 12 | 32 |
| Other | 5 | 9 | 23 |