Society of Thermal Engineers of Yugoslavia and Society of Thermal Engineers of Serbia from 1962 to 2012

Introduction

Professional association of mechanical and electrical engineers, whose primary orientation and activities included analysis of thermal processes and thermal process equipment, was founded in 1962 as the Society of Thermal Engineers of Yugoslavia. Professional association of thermal engineers of Serbia continued to exist and operate under the same name even after the dissolution of the Socialist Federal Republic of Yugoslavia, only to officially change the name to Society of Thermal Engineers of Serbia and Montenegro in 2003 by an appropriate statutory decision. After the General Assembly meeting held in 2008 in Belgrade, the society has existed under the name of Society of Thermal Engineers of Serbia.

Half a century after its foundation, it is nearly impossible to begin to describe with the same level of details all the activities and results accomplished in a period that has passed. This is where all the differences arise when trying to list activities performed, starting from the early days of Society of Thermal Engineers of Yugoslavia (STEY), through a period of rapid development of the Socialist Federal Republic of Yugoslavia, followed by dissolution of Yugoslavia and the most troubling period of international sanctions and NATO bombardment, reduction of the former country down to the state union of Serbia and Montenegro and finally the declaration of the Republic of Serbia.

A lot of highly reliable data are available for the period of stability in the country i.e. between 1962 and 1985. Period between 1990 and 2003 was particularity difficult for the industry and social environment in the successor country. As a result of NATO bombardment and systematic devastation of industrial capacities, industrial production in Serbia in 1999 was reduced to 39% of the production rates achieved in 1990. The indicated period represented the time of significant difficulties and great challenges, not only for the Society of Thermal Engineers and its members, but for the entire nation and state economy as well. In the period following 2003, the Society reinvented itself and today bases its operation on activities carried out through several active centres in Serbia. The centres have been established at the Faculty of Mechanical Engineering in Belgrade, Thermal Engineering and Energy Laboratory of "VINČA" Institute of Nuclear Sciences, Faculties of Mechanical Engineering in Niš, Kragujevac and Kraljevo and Faculty of Technical Sciences in Novi Sad. Starting from 2003, the Society has been participating in several conferences and symposia organized on a regular basis. The most detailed information is available for the events mentioned. Continuous existence of thermal engineering society in this part of the world, with roots dating back to 1975, is evidenced by two scientific journals, namely "Termotehnika" and "Thermal Science", which have been continuously published in the Thermal Engineering and Energy Laboratory of "VINČA" Institute of Nuclear Sciences.

The foundation of Society of Thermal Engineers of Yugoslavia

The idea to establish the society of thermal engineers of Yugoslavia was initiated in Thermal Engineering Laboratory (today's Thermal Engineering and Energy Laboratory) of the "Boris Kidrič" Institute of Nuclear Sciences in Vinča. The Laboratory had gathered together an impressive group of young researchers whose job description and strategic tasks of the "VINČA" Institute had provided them with a possibility to broadly cooperate with all entities involved in analysis of thermal processes associated with peace-time utilization of nuclear energy. Activities directly related to the foundation of Society were managed by Mr. Miodrag Novaković, who, after completing his doctoral

studies in London in 1960, became the first Secretary General of the Society. The main objective of new Society was to promote the field of heat and mass transfer and to establish better cooperation between research and educational institutions in the country, as well as the industry.

Not long after assuming his duties at the Thermal Engineering Laboratory, Mr. Miodrag Novaković has gathered together an initial group of experts that would act as a nucleus of future thermal engineering society. The group was made up of reputable professors of thermodynamics and experts in the field of thermal science and thermal engineering, both from pre-war and post-war periods, namely Mr. Fran Bošnjaković from Stuttgart (Zagreb), Mr. Milan Viličić from Rijeka, Mr. Dušan Veličković and Mr. Dragomir Malić from Belgrade, Mr. Zoran Rant and Mr. Karel Kranc from Ljubljana, Mr. Ernest Fišer from Novi Sad, Mr. Haralampije Fukara from Skoplje and Mr. Teodor Gregorić from Sarajevo. By relying on professors of the Faculty of Mechanical Engineering and Faculty of Technology and Metallurgy in Belgrade, a group of young mechanical engineers and technical physics engineers employed in Thermal Engineering Laboratory of "VINČA" Institute of Nuclear Sciences, as well as distinguished national experts, primarily from the sector of power engineering, Mr. Miodrag Novaković had organized a Statutory Meeting which was held in the late fall of 1962 in "Dom Sindikata" Convention Hall in Belgrade. On that occasion the Society of Thermal Engineers of Yugoslavia was officially founded, Statute of the Society was adopted, leadership elected and main strategic directions for future activities were set out. One of the most important decisions reached at the meeting was the one concerning prompt organization of the first symposium of thermal engineers of Yugoslavia. Mr. Dušan Veličković, Professor at the Faculty of Mechanical Engineering in Belgrade, was elected the first president of the Society, while Mr. Miodrag Novaković was elected Secretary General of the Society.

Society of Thermal Engineers of Yugoslavia up to 1990 and establishment of ICHMT

1st Symposium of Thermal Engineers of Yugoslavia was planned and prepared in the premises of Thermal Engineering Laboratory of "VINČA" Institute of Nuclear Sciences. Symposium Organizing Committee members included Professors D. Veličković and M. Novaković from "VINČA" Institute, Mr. B. Dokmanović, Deputy Secretary General of the Society of Thermal Engineers of Yugoslavia, Mr. N. Afgan, a member of the Executive Board of STEY, Mr. Z. Zarić, Secretary of the Republic Board of the Society of Thermal Engineers of Serbia (STES), Mr. Lj. Novaković from the Mining Institute in Zemun, a member of the Executive Board of STEY and Republic Board of the Society of Thermal Engineers of Serbia, Mr. V. Sinovčić from the Yugoslav National Army, also a member of the STEY Executive Board. The 1st Symposium of Thermal Engineers of Yugoslavia was held in 1964 in Herceg Novi, in the Convention Centre "Nuklearcentar" belonging to the Federal Atomic Energy Commission. Total of 54 papers were presented at the Symposium, with program organized in several sessions: Thermodynamics and Heat Transfer (19), Power and Heat Engineering (10), Nuclear Reactors (15) and Thermal Measurement Instruments (10)[1]. The Symposium closing session included plenary discussion about general thermal engineering problems. It was decided that the next two annual symposiums were to be held during the following two years and organized by the Society of Thermal Engineers

[1] Figures in brackets denote the number of paper presented.

of Bosnia and Herzegovina and Society of Thermal Engineers of Croatia. Large number of papers (20) presented by representatives of Thermal Engineering Laboratory of "VINČA" Institute and up-to-date topics addressed in the works presented, with special attention given to experimental investigations, had positively influenced researchers in other federal republics. This was primarily witnessed by large number of papers addressing the most interesting topics that were presented at international and national conferences of the Society of Thermal Engineers of Yugoslavia in years that followed.

The 2nd and 3rd Symposium of Thermal Engineers of Yugoslavia were held in the next two years. The 2nd Symposium of Thermal Engineers of Yugoslavia was held in June 1965 in Sarajevo and was hosted by Research and Development Centre for Thermal and Nuclear Technology – ITEN of the "Energoinvest" corporation and Society of Thermal Engineers of Bosnia and Herzegovina, mainly through activities of thermal engineers from the University of Sarajevo. The 3rd Symposium of Thermal Engineers of Yugoslavia was held in November 1966 in Zagreb, hosted by the Faculty of Mechanical Engineering and Shipbuilding in Zagreb and thermal engineers of Croatian Electricity Utility Company and Croatian industry. At annual General Assembly meeting, held during the 3rd Symposium of Thermal Engineers of Yugoslavia in 1966, Professor Dragomir Malić from the Faculty of Technology and Metallurgy in Belgrade was elected STEY president, while Mr. Predrag Anastasijević was elected Secretary General of the Society. After completing his duties at Federal Atomic Energy Commission, Mr. Anastasijević was appointed the head of Thermal Engineering Laboratory of "VINČA" Institute, since Mr. M. Novaković had accepted an invitation to spend the following two years working as the guest lecturer at two universities in the USA, namely at universities in Texas and Virginia.

In accordance with cyclic rotation Symposium hosting system, Thermal Engineering Laboratory of "VINČA" Institute was supposed to host the following i.e. the 4th STEY Symposium. Since due to the nature of its research activities the Laboratory needed to enter the international research arena, a team led by more experienced researchers, including Mr. Zoran Zarić, Mr. Naim Afgan and Mr. Predrag Anastasijević, and with enormous help of academician of the Yugoslav Academy of Science and Arts Mr. Dušan Veličković and Professor Dragomir Malić, former and at-that-time president of STEY, took the initiative to organize the first international STEY symposium. This event was organized as a summer school titled "Heat and Mass Transfer in Turbulent Boundary Layers", held in fall 1968 in Herceg Novi, again in the Convention Centre "Nuklearcentar". The convention was declared a complete success, managing, at the peak of the Cold War, to gather together reputable scientists from both confronted sides. The event also provoked an initiative to establish a forum which was to continue organizing international scientific and professional engineering conventions in politically neutral countries, such was the SFRY at the time. Practically immediately after the said summer school was finalized i.e. on 16 September, 1968 in Herceg Novi, an International Centre for Heat and Mass Transfer (ICHMT) was established. The event was witnessed by representatives of reputable research institutions and universities from Western Europe, USSR and North America. A facsimile with the Minutes of the Statutory Meeting is provided in Appendix 1. Society of Thermal Engineers of Yugoslavia, as the main founder of ICHMT, was soon joined by ICHMT co-founders, namely Society of Thermal Engineers of France and professional organizations and associations of mechanical and chemical engineers of the United States of America i.e. ASME and AIChE. The ICHMT initiative was soon supported by national and international associations of thermal engineers in all developed countries and regions of the world. In 1970, the International Centre for Heat and Mass Transfer was placed

under the UNESCO's patronage. The main bodies of the ICHMT were elected in 1969, including General Assembly, Executive Board and Scientific Committee, comprising the most reputable international experts in the field. Professor Veličković was elected one of the Vice President of ICHMT, while Mr. Zoran Zarić and Mr. Naim Afgan were appointed Secretary General and Secretary of Science, respectively. With respect to ICHMT base location, its organization and personnel, the Head Office of the Centre was established in Thermal Engineering Laboratory of "VINČA" Institute.

International Centre for Heat and Mass Transfer begun organizing its regular conventions from the following year i.e. from 1969. The conventions were regularly held in Yugoslavia until 1992. The conventions were held in Herceg Novi (three times) and Trogir (three times) and then regularly in Dubrovnik, until the Executive Board decided to move the convention out of Yugoslavia. In 1993 the ICHMT Head Office was moved to Turkey where it has stayed until the present days. Although at the time the ICHMT membership was not quite aware of what was going to come, this decision was a sign of future events that would shake the West Balkans region. Over the period of more than 20 years, ICHMT had organized 48 professional gatherings and events in SFRY: 19 seminars, 15 symposia, 5 summer school, 7 courses and 2 forum discussions, with summer schools, covering a particular topic, usually organized immediately after the main event i.e. seminar or symposium addressing the same issues. The main topics addressed at the conferences changed from year to year, bringing each year a new group of experts of different mass and heat transfer subspecialty, led by top international experts in the fields considered. In 1975 and 1976, the ICHMT organized UNESCO expert missions to South America and Central Africa in order to investigate needs and possibilities for establishment of regional heat and mass centres. Mr. Z. Zarić was selected to join the first UNESCO mission on behalf of ICHMT, while Mr. K. Maglić had joined the UNESCO mission that followed.

It can be rightfully said that the International Centre for Heat and Mass Transfer represented the most important international forum in this part of the world that was continuously organized for such a long period of time and that had such a profound international impact. Proceedings from international conferences organized by ICHMT from 1968 to 1992 are listed in Appendix 2. The Proceedings represent an archival material kept as a valuable fraction of international scientific literature in the field of heat and mass transfer. The late member of the Serbian Academy of Science and Arts (SANU), Mr. Zoran Zarić and member of the Academy of Science and Arts of Bosnia and Herzegovina, Mr. Naim Afgan, the appointed ICHMT Secretary General and Secretary of Science, respectively, contributed the most to ICHMT establishment and its integration into UNESCO programmes. During the periods of particularly successful ICHMT work, a valuable contribution was provided by young researchers of Thermal Engineering Laboratory of "VINČA" Institute who periodically acted as ICHMT secretaries on organizational matters, namely Mr. Predrag Kulundžić (in the period 1969-1972), Mr. Kosta Maglić (in the period 1972-1977) and Jovica Riznić (in the period 1977-1992).

ICHMT conferences provided members of the Society of Thermal Engineers of Yugoslavia to acquire the most relevant scientific information "on the doorsteps", without a need to organize financially demanding visits to similar conventions held abroad. In addition, ICHMT conferences provided STEY members a possibility to meet with colleagues and present results of their research work that were comparable with international achievements of that time. Due to the busy schedule of internationally oriented events, organization of STEY symposiums was temporarily put aside.

In the meanwhile, Yugoslavia was shaken by dramatic events leading to the dissolution of federation and proclamation of independent federal Republics. During the Conference on Power Plants of the Yugoslav Power Utility Company, held in 1970 in Velenje, STEY had organized a regular General Assembly meeting, when it was decided, in line with political situation of that time, to transform the Society of Thermal Engineers of Yugoslavia into Society of Thermal Engineers of Yugoslav Republics. In addition, the role of STEY president was to be replaced with the role of rotating presidency, with presidents of the republic branch societies periodically chairing the STEY events. Continuity of STEY activities was to be maintained through the role of Secretary General which was not to be the subject of chair rotation. Professor Teodor Gregorić, Director of Research and Development Centre for Thermal and Nuclear Technology (ITEN) of „Energoinvest“ corporation in Sarajevo, was elected the first President, while Mr. Kosta Maglić, from Thermal Engineering Laboratory of "VINČA" Institute, was elected the Secretary General. Mr. Maglić was previously performing the duty of STEY's Executive Board Secretary.

Over the next couple of years, STEY Executive Board had organized regular meetings held in the Society branches established in different federal republics. Executive Board members included representatives of STEY branch societies established in federal republics[2], with regular participation and contribution of Mr. Naim Afgan, the ICHMT Secretary of Science and one of the secretaries of the Yugoslav Power Utility Company (JUGEL), either Mr. Jovo Janjić, Dipl. Eng. or Mr. Božidar Širola, Dipl. Eng., depending where the regular Board meeting was being held. At regularly held meetings, Executive Board analysed general issues that had arose with changes in the country and a need to address power sector and thermal power sector related problems in large systems and companies. Mr. N. Afgan was regularly submitting his reports on the ICHMT activities planned for the upcoming period. The Executive Board had agreed to work on mobilization of reputable Yugoslav thermal engineers and facilitate their integration into organizing committees of future conferences, as well as to provide favourable conditions that would attract more national experts and sponsors such as large national industrial enterprises ("Đuro Đaković", "Energoinvest" etc.).

Following a slowdown in STEY activities that came as a result of more internationally active role of Executive Board, the next Symposium of Thermal Engineers of Yugoslavia was held in 1975. This new series of symposia started with the 4th Symposium of Thermal Engineers of Yugoslavia, held in Belgrade in early May 1975, under the official title „Contemporary Problems of Thermal Engineering in Yugoslavia“. The symposium was hosted by the Society of Thermal Engineers of Serbia, while the initiative, as well as the organization, came from the Thermal Engineering Laboratory of "VINČA" Institute, which represented the very heart of the Society of Thermal Engineers of Serbia. The conference was presided over by Mr. Slavomir Marković from the Thermal Engineering Laboratory, who was, at the time, also the appointed President of Serbian and Yugoslav Societies of Thermal Engineers. Papers presented at the conference were organized in three sessions: 1) Thermal Power and Heat Engineering, with 2 introductory notes and 36 presented papers, 2) Thermal Engineering and Process Equipment, with 2 introductory notes and 15 presented papers and 3) Heat and Mass Transfer, with 1 introductory note and 17 presented papers. Symposium

[2] Presidents of societies of thermal engineers of federal republics which performed the role of STEY's presidents from 1970 to 1980 included Professor Teodor Gregorić from the Society of Thermal Engineers of Bosnia and Herzegovina, Mr. Marko Majcen from the Society of Thermal Engineers of Croatia, Mr. Dušan Poljak from the Society of Thermal Engineers of Slovenia and Mr. Konstantin Dimitrov from the Society of Thermal Engineers of Macedonia.

Proceedings included 5 full-text introductory notes and 58 paper abstracts, while most of presented papers were printed in several successive issues of "Termotehnika"[3] Journal, which was initiated the year before, also by the Thermal Engineering Laboratory of "VINČA" Institute.

The 4th Symposium was also used as an opportunity to present Honorary Membership Awards to the most reputable STEY members who passed away, including professors and STEY founders, Mr. Dušan Veličković, Mr. Teodor Gregorić, Mr. Dragomir Malić, Mr. Fran Bošnjaković, Mr. Đorđe Fišer and Mr. Haralampije Fukara.

The 5th Symposium of Thermal Engineers of Yugoslavia was hosted by the Society of Thermal Engineers of Bosnia and Herzegovina in May 1978, in Hotel "Bristol" in Sarajevo. The Head Office of Bosnian Society was located in the Research and Development Centre for Thermal and Nuclear Technology (ITEN) of the powerful enterprise „Energoinvest" in Sarajevo. Professor Teodor Gregorić was the founder and first director of the Centre. Papers submitted for the 5th Symposium were grouped into three sessions: Phenomena, including Heat Transfer, Combustion, Thermophysical Properties and Similar (17); Process Engineering and Equipment (17) and Power and Heat Engineering and Equipment (22). Symposium sessions followed the previously indicated order, but with process engineering and power and heat engineering sessions held simultaneously. Mr. Dragomir Cvetković, Director of ITEN and his associate, Mr. Mladen Popović, together with Mr. Zdravko Mirković and Mr. Kemal Hanjalić, professors at the Faculty of Mechanical Engineering in Sarajevo, had contributed the most to the successful organization of the 5th Symposium. Papers presented at the Symposium were published in "Termotehnika" Journal.

In line with general tendencies and plans to improve thermal metrology infrastructure in the country, STEY had organized the 6th European Conference on Thermophysical Properties of Materials (ETPC), held in July 1978 in Dubrovnik. The Conference was organized by Thermal Engineering Laboratory of "VINČA" Institute, under the patronage of UNESCO and Directorate of Measures and Precious Metals of the Socialist Federal Republic of Yugoslavia and with a support of SFRY Science Committee and Yugoslav UNESCO Committee. Mr. Kosta Maglić, the President of the Executive Board, contributed the most to successful Conference organization. From 1976 to 1978, Mr. Maglić was also the elected president of International Organizing Committee, in charge of organizing the considered type of international conferences. A total of 58 papers were presented at the 6th European Conference, grouped into eleven sessions, with 18 papers presented by leading international experts in the field of thermophysics and temperature metrology. The Conference was attended by the record number of participants from 22 countries. Internationally reviewed and accepted papers presented at the Conference were published in several successive issues of "High Temperatures – High Pressures" Journal (Pion, London), while Conference papers addressing the issues of temperature metrology were translated and published in special issue of "Termotehnika" Journal. During the official program of the 6th European Conference on Thermophysical Properties of Materials (ETPC), Committee on High Temperature Materials of the International Union of Pure and Applied Chemistry (IUPAC) organized a meeting which was attended by IUPAC members who were attending the Conference as invited guest speakers.

During the 6th European Conference, ETPC International Organizing Committee reached a decision to initiate activities on collection and systematization of knowledge in

[3] More details on „Termotehnika" Journal and its editorial issues shall be provided later, in a special chapter dedicated to STEY publications.

the field of experimental thermophysics, gained during the golden age of science i.e. between the forties and the eighties of that century. A three-member committee was constituted, with members including Mr. K. Maglić („VINČA" Institute), Mr. A. Cezairlijan (United States National Bureau of Standards, with Head Office established in Gaithersburg) and Mr. V. E. Pelecki (Institute of High Temperatures of USSSR, with head office established in Moscow). With funding provided by the Joint Fund for Scientific and Technological Cooperation of USA and SFRY, activities of this program were finalized in 1992, resulting in internationally recognized publication "Compendium of Thermophysical Property Measurement Methods", issued by Plenum Press, New York and London. The first volume, titled "Survey of Measurement Techniques", comprising 789 pages, was published in 1984, while the second volume "Recommended Measurement Techniques and Practices", comprising 643 pages, was published eight years later. 37 top international scientists in the field of thermophysics were the contributing authors of the published series, while 32 experts have given their contribution as the consulting editors. Editors of both volumes were in the same time the authors of certain chapters in the series published.

The 6th Symposium of Thermal Engineers of Yugoslavia was hosted by the Society of Thermal Engineers of Slovenia in late May 1981, in Bled, under the official title "Thermal Engineering in Rational Energy Use". The Symposium was organized under the patronage of the Faculty of Mechanical Engineering in Ljubljana, Slovenia, Slovenian Railway Company "Združene slovenske železarne" and Engineering Bureau „Eletroprojekt", Ljubljana. 93 submitted papers were grouped into six sessions: Heat Transfer and Heat Conductors (23); Non-Conventional Energy Sources, Environmental Protection (10); Energy Use and Transport (21) and other Issues (9); Energy Generation and Combustion (21) and Thermophysical Properties of Materials, Corrosion and other Issues (9). The Symposium was presided over by Professor Dušan Poljak, acting STEY President at the time. Selected papers presented at the Symposium were published in "Termotehnika" Journal. As a result of continued federalization of the republics and increasing independence of branch societies in federal republics, the role of the Secretary General of the Society of Thermal Engineers of Yugoslavia was terminated following the 6th Symposium.

The 7th Symposium of Thermal Engineers of Yugoslavia was organized three years later, in 1984 in Ohrid. The Symposium was hosted by the Society of Thermal Engineers of Macedonia and presided over by Professor Konstantin Dimitrov from the Faculty of Mechanical Engineering in Skoplje. Symposium was also used as an opportunity to present Honorary Membership Awards, awarded for the second time in the history of STEY. This time, the Honorary Membership Awards recipients were reputable and active STEY members, including rotating presidents and STEY Secretary General, Mr. Marko Majcen, Mr. Leopold Andre, Mr. Dušan Poljak, Mr. Konstantin Dimitrov and Mr. Kosta Maglić.

The 8th Symposium of Thermal Engineers of Yugoslavia was organized in 1990 in Neum. Few of still active members confirmed that the Symposium was definitely held in the year specified, but could not say with any certainty who was the host or who were the participants that attended. It is assumed that the 8th Symposium was most probably hosted by Society of Thermal Engineers of Bosnia and Herzegovina.

This last symposium completes the series of eight symposia of Thermal Engineers of Yugoslavia held between 1962 and 1990 in the Socialist Federal Republic of Yugoslavia. During this 28-year-long period, after the first elected president, academician of the Yugoslav Academy of Science and Arts, Mr. Dušan Veličković, professor Dragomir Malić from Belgrade was elected the next president, who was later succeeded by several rotating presidents, in line with established rotating Presidency

role. The later presidents were, namely, Professors Teodor Gregorić from Sarajevo, Marko Majcen from Zagreb, Dušan Poljak from Ljubljana and Konstantin Dimitrov from Skoplje.

Society of Thermal Engineers of Yugoslavia from 1990 to 2003

During the period of political instability i.e. from 1990 to 2003, association of thermal engineers of Socialist Federal Republic of Yugoslavia continued to exist under the same name i.e. STEY[4]. In accordance with rotating presidency role, the Head Office was moved to Novi Sad, where presidents elected between 1990 and 2003 included professors of the Faculty of Technical Sciences in Novi Sad. Over the course of the considered 13 years, STEY and associated faculties of University of Belgrade and University of Novi Sad, had organized two symposia of thermal engineers of Yugoslavia, two General Assembly meetings and three conferences on industrial power engineering.

The 9th Symposium of Thermal Engineers of Yugoslavia was held in June 1993 in Belgrade, under the official title "Rational Energy Use and Environmental Protection". A total of 106 papers submitted by 140 authors were presented at the Symposium. Paper abstracts were published in the Symposium Proceedings. During the official Symposium program, STEY had organized a General Assembly meeting, when Mr. Vojin Grković, Professor at the University of Novi Sad, was elected new president of the Society. The official Head Office of the Society stayed in Belgrade, where the Society was initially founded in 1962, with logistic support provided by Thermal Engineering and Energy Laboratory of "VINČA" Institute of Nuclear Sciences.

At the General Assembly meeting held during the 9th Symposium of Thermal Engineers of Yugoslavia, the General Assembly had reached a decision to initiate a new publication i.e. international journal in English language, titled "Thermal Science". More details regarding this journals, as well as the "Termotehnika" Journal shall be provided later, when addressing publications of the Society of Thermal Engineers of Yugoslavia and Serbia. At same meeting, in line with proposal made by Mr. Goran Jankes, professor at the Faculty of Mechanical Engineering in Belgrade, General Assembly decided to establish a special Industrial Power Engineering Division of the Society.

The 10th Symposium of Thermal Engineers of Yugoslavia, YU-TERM '97, was held in June 1997 in Zlatibor, under the official title "Increase of Process Efficiency and Quality of the Environment in Thermal Power Engineering, Thermal Engineering, Chemical Engineering and Process Engineering". Regular General Assembly meeting of the Society was organized during the official program of the Symposium. Professor Dušan Gvozdenac from the Faculty of Technical Sciences in Novi Sad was elected the President of the Society. Professor Gvozdenac was later succeeded by Professor Đorđe Bašić, also from the Faculty of Technical Sciences in Novi Sad.

In cooperation with the Faculty of Mechanical Engineering in Belgrade and Faculty of Technical Sciences in Novi Sad, Industrial Power Engineering Division had successfully organized two scientific and professional events in the period between 1994 and 1996, namely Industrial Power Engineering '94 and Industrial Power Engineering '96. The Industrial Power Engineering '94 conference was held in June 1994 in Belgrade, in „Sava" Convention Centre. The conference was organized in cooperation with Faculty of Mechanical Engineering in Belgrade and Faculty of Technical Sciences in Novi Sad,

[4] Tradition was continued in Macedonia, where Society of Thermal Engineers of Macedonia was officially established. Professor Aleksandar Mojsovski has been appointed president of the Society for several years in a row. The Society organizes symposiums – member gatherings almost every year in Ohrid. There are no available data on societies of thermal engineers established in other former Yugoslav republics.

Institute of Nuclear Sciences ”Vinča” and „Sava“ Convention Centre, under the patronage of Yugoslav Chamber of Commerce and Federal Ministry of Commerce. Professor Goran Jankes, from the Faculty of Mechanical Engineering in Belgrade, was appointed the president of Organizing Committee. Papers presented at the Symposium were published in Symposium Proceedings, while poster presentations were published in the Book of Abstracts. During eight Symposium sessions, participants were able to hear 81 papers, including 4 papers submitted by international authors.

During the same year, a new Division of the Society was established, namely Division of Thermohydraulics, which had organized a symposium on thermohydraulic power engineering processes at the Faculty of Mechanical Engineering in Belgrade. The symposium was held under the official title "Termohidraulika '94". The president of Organizing Committee of this event was Mr. Vladimir Stevanović, professor at the Faculty of Mechanical Engineering in Belgrade. About 50 papers were presented at this event.

The 3rd Industrial Power Engineering Conference i.e. Industrial Power Engineering '96 was held in September 1996 in „Plaža“ Hotel in Herceg Novi. The conference was presided over by Mr. G. Jankes, while the event was organized by STEY, Faculty of Mechanical Engineering in Belgrade, Faculty of Technical Sciences in Novi Sad and Thermal Engineering and Energy Laboratory of “VINČA” Institute of Nuclear Sciences, together with Society of Power Engineers of Montenegro and Society of Power Engineers of Yugoslavia. Total of 93 papers submitted by 184 authors were presented, including 13 papers submitted by international authors. Papers presented at the conference were published in the Conference Proceedings, while poster presentations were published in the Book of Abstracts.

During the period of international isolation in the second half of the nineties, members of STEY’s Executive Committee, Mr. Simeon Oka and Mr. Ljubomir Jovanović, both from ”VINČA” Institute of Nuclear Sciences, were able to establish important communication channels with colleagues in the neighbouring countries with whom they discussed fluidization related issues. With the help of colleagues from the Faculty of Mechanical Engineering and Faculty of Technology and Metallurgy in Belgrade and in cooperation with colleagues from the Faculty of Mechanical Engineering in Skoplje and Faculty of Technical Sciences in Bitolj, as well as Professor J. Hristov from the Faculty of Technology and Metallurgy in Sofia, an international symposium titled “1st South East European Symposium on Fluidized Beds in Energy Production, Chemical and Process Engineering and Ecology“ was organized and held in September 1997 in Ohrid. The Symposium was attended by research engineers from South East Europe and Turkey, who presented 55 papers in total, while 8 introductory notes were given by scientist from five developed West European countries and Serbia. In September 1998, representatives of 18 scientific institutions and faculties from six South East European countries (Bulgaria, Macedonia, Greece, Rumania, Republic of Srpska and Serbia) signed an Agreement for Co-operation in the Field of Fluidized Bed Conversion Applied to Efficient and Clean Energy Production and Chemical Engineering. Mr Simeon Oka was elected President of the Executive Committee for implementation of this agreement.

The 2nd Symposium of the countries signatories to the above specified Agreement was held in Aranđelovac, in September 1999. Introductory notes were given by invited key speakers from Sweden, Finland, Russia, Canada and Germany. Following the introductory addresses, a large number of experts coming from the signatory countries presented their work, together with representatives of internationally recognized boiler manufacturers who provided information on their range of products. The 3rd Symposium

was held in Sinaia, Rumania, in September 2001, hosted by Romanian colleagues. The 4th Symposium was held in Thessalonica, in September 2003, when the official name of the Agreement was changed to "Agreement for Co-Operation with the Aim to Research, Develop and Implement New Energy Efficient and Ecologically Acceptable Technologies Applied to Energy Production, Chemical and Environmental Engineering of the South-East European Countries". Professor Emanuel Kakaras from Greece was elected President of the Executive Committee. The 5th Symposium, which was also the latest, was held in "Sunny Beach Resort" in Bulgaria and was hosted by Bulgarian colleagues. In spite of significant contribution to regular gatherings and cooperation between researchers in the South East European Region, with approximately 50 papers presented at each symposium and with introductory addresses delivered by reputable key-speakers from developed countries, cooperation based on this Agreement was frozen due to prevailing interest for broader European cooperation.

One of the important results of the South East European cooperation initiative was the fact that "Thermal Science" has become a regional journal, with regional editorial board since 2003.

Society of Thermal Engineers of Serbia and Montenegro and Society of Thermal Engineers of Serbia following the 2003

In the beginning of 2003, the Head Office of the Society was moved back to Belgrade, where General Assembly meeting of the Society of Thermal Engineers of Serbia and Montenegro was held in late May 2003. Revival of association of thermal engineers and its active role was primarily induced by new academic task force at the faculties in Belgrade, Niš, Novi Sad, Kragujevac and Kraljevo, as well as continued publication of national periodicals i.e. Journals "Termotehnika" and "Thermal Science" and determination of newly elected leadership to reclaim past glory and replenish reputation of the Society, putting it back in service of the country and professional development of young researchers. Mr. Milan Radovanović, professor at the Faculty of Mechanical Engineering in Belgrade was elected the new president, while Mr. Predrag Stefanović, Ph.D., from "VINČA" Institute and Professor Goran Jankes were elected Vice-presidents. Professor Simeon Oka was elected the president of Scientific Board, while Professor Dragoslava Stojiljković, from the Faculty of Mechanical Engineering in Belgrade, was elected Secretary General.

Activities of the Society were directed towards organization of scientific and professional engineering conventions and forum discussion sessions, as well as publishing of scientific and professional engineering journals. The society established a close cooperation with Ministry of Science and Environmental Protection and Ministry of Mining and Energy of the Republic of Serbia, Serbian Chamber of Commerce and Serbian Energy Efficiency Agency, helping improved communication between providers and users of crucial information in the field of thermal engineering. Regular reporting on the activities carried out by the Serbian Energy Efficiency Agency contributed to the transparency of its actions and enabled efficient utilization of new research findings for meeting current industrial needs.

During the implementation of National Energy Efficiency Programme of the Ministry of Science and Technological Development i.e. in the period from 2001 to 2009, results of the projects carried out through this Programme have been presented and publicly discussed in dedicated sessions at Symposia of Thermal Engineers, with the most representative results published in Journals „Termotehnika“ and „Thermal Science“. Energy efficiency and use of renewable energy sources have become permanent issues addressed at the symposia.

Since 2003, three series of events have been regularly organized in the field of thermal engineering, namely "Symposium of Thermal Engineers of Serbia and Montenegro", later Symposium of Thermal Engineers of Serbia, conventions of the Industrial Power Engineering Division of the Society of Thermal Engineers of Serbia and Montenegro and "Power Plants" conventions. Significant improvement in the quality of published material and extension into international arena represented considerable contribution to the success of the events mentioned.

Conventions held following the 2003

The 11th Symposium of Thermal Engineers of Serbia and Montenegro was held in October 2003 in Zlatibor, under the patronage of Ministry of Science and Environment of the Republic of Serbia. Professor Goran Jankes was elected the president of Scientific Board, while Professor Simeon Oka was appointed the president of Organizing Board. A total of 90 papers were presented at the Symposium, including 13 papers submitted by international authors.

The 4th Convention of the Industrial Power Engineering Division was held in September 2004, in Hotel "Lepenski Vir" in Donji Milanovac. The conference was held under the official title "Industrial Power Engineering 2004", under the patronage of Ministry of Science and Environment and Ministry of Mining and Energy of the Republic of Serbia, Serbian Chamber of Commerce and Serbian Energy Efficiency Agency. Professor Goran Jankes was elected president of Organizing Board, while paper review and selection was performed by the Conference Program Committee. A total of 74 papers, submitted by 105 authors, were presented, including 9 papers submitted by international authors.

In the same year i.e. in 2004, another conference organized by the Society of Thermal Engineers of Serbia and Montenegro was held in Vrnjačka Banja. The Power Plants 2004 Conference was the first international conference held in Serbia after 15 year break. The conference was held under the patronage of Ministry of Mining and Energy, Ministry of Science and Environment of the Republic of Serbia and Serbian Public Electric Utility Company "Elektroprivreda Srbije". The Conference was officially opened by the Minister of Mining and Energy who was also actively involved in the conference program. More then 300 participants attended the conference, including 25 participants from abroad (USA, Canada, Russia, Germany, Rumania, Poland, Slovakia, Greece, Macedonia, Bosnia and Herzegovina, Republic of Srpska, Croatia and Slovenia). The conference was organized by the Organizing Board, whose members included Mr. A. Vlajčić, Mr. B. Kovačević, Mr. V. Bakić, Ms. D. Stojiljković and Mr. P. Stefanović (presiding). A total of 121 papers were presented in 5 parallel sessions, with 100 oral presentations.

The 12th Symposium of Thermal Engineers of Serbia and Montenegro was held in October 2005 in Sokobanja, under the patronage of Ministry of Science and Environment of the Republic of Serbia and with sponsorships provided by the reputable national and international companies. Mr. Mladen Stojiljković, professor at the Faculty of Mechanical Engineering in Niš, was appointed the president of Organizing Board. Mr. Stojiljković and his colleagues from the Faculty of Mechanical Engineering in Niš have successfully organized the event. Submitted papers were reviewed and selected by the Symposium Program Committee. A total of 120 papers (100 from Serbia and 20 from abroad) were presented, with papers submitted by 105 authors, including 9 international authors.

The 2nd Power Plants Conference was held in Vrnjačka Banja in September 2006. The Power Plants 2006 Conference was organized under the patronage of Ministry of

Mining and Energy and the Ministry of Science and Environment of the Republic of Serbia, as well as the Public Electric Utility Company "Elektroprivreda Srbije". The Conference was officially opened by the Minister of Mining and Energy. The Conference was attended by approximately 250 participants, coming from various scientific, research, educational originations and the industry sector, Electric Utility Company of Serbia and Montenegro and Electric Utility Companies of neighbouring countries. About 40 participants came from the countries of the South East European region i.e. Macedonia, Bosnia and Herzegovina, Republic of Srpska, Croatia, Slovenia, Rumania and Greece, as well as other European countries i.e. Hungary, Slovakia, Poland, Russia, Great Britain and Germany. Polish representatives were among the most numerous. Representatives of Energy Community and the Ministry of Mining and Energy of the Republic of Serbia presented information regarding the Energy Community Treaty, establishment of the Energy Community of South East European countries and implementation of the Treaty in the upcoming period. Simultaneous translation was provided for invited guest speakers i.e. reputable international experts. The Conference was organized by Organizing Board (Mr. P. Stefanović, who presided, Mr. A. Vlajčić, Ms. Dragoslava Stojiljković, Mr. G. Hasanagić and Mr. V. Bakić) and Scientific Board, presided over by Mr. M. Radovanović. A total of 120 papers were presented at the Conference.

The 13th Symposium of Thermal Engineers of Serbia and Montenegro was held in October 2007 in Sokobanja, with Faculty of Mechanical Engineering in Niš acting as a host and under the patronage of Ministry of Science and Environment of the Republic of Serbia. Mr. Mladen Stojiljković, professor at the Faculty of Mechanical Engineering in Niš, was appointed the president of Organizing Board. Paper review and selection was performed by the Conference Program Committee, presided over by Professor Zoran Boričić. The Symposium was attended by 120 participants, including 15 participants from abroad. 99 papers were presented, including 87 papers submitted by Serbian and 12 by international authors.

After the political union of Serbia and Montenegro came to an end, at the General Assembly meeting of the Society of Thermal Engineers of Serbia and Montenegro, held in the premises of the Faculty of Mechanical Engineering in Belgrade on 31 January, 2008, a decision has been reached to change the official name of the society to Society of Thermal Engineers of Serbia (STES). Main objectives and direction of future actions of STES were defined and all STES bodies were elected, namely General Assembly, the Main Board, Scientific Board and Supervisory Board, as well as Scientific-Professional Engineering Secretariat. It was decided that General Assembly meetings were to be held every three years. The newly adopted Statute replaced the Statute adopted at the General Assembly meeting of the Society of Thermal Engineers of Serbia and Montenegro, held on 28 March, 2003. The Main Board, representing the heart of the Society, comprised reputable Society members: Professor Milan Radovanović, who was appointed President of the Society, Professors Goran Jankes, Dragoslava Stojiljković and Mladen Stojiljković, Mr. Predrag Stefanović, Ph.D., from „VINČA" Institute and Mr. Jaroslav Urošević, Dipl. Eng., from the company Energoprojekt-Entel, who were appointed Vice-presidents of the Society and Ms. Maja Đurović-Petrović, Ph.D., who was elected Secretary General. This was almost the same team that has revived the Society after 2003 and gave it the effective national role it has today.

The next Conference on Power Industry Engineering and Environmental Protection in South East Europe - IEEP 2008 was held in June 2008, in Zlatibor. The Conference Organizing Board pointed out that the main focus of the conference was to be placed on energy efficiency issues. This, fifth in a row conference on industrial power

engineering was organized by Society of Thermal Engineers of Serbia and Serbian Energy Efficiency Agency. The Conference was supported by the Southeast European Cooperative Initiative - SECI, Ministry of Science, Ministry of Mining and Energy, Ministry of Environmental Protection of the Republic of Serbia, Serbian Chamber of Engineers and Serbian Chamber of Commerce, as well as numerous sponsors and exhibitors. Professor G. Jankes was appointed the president of Organizing Board, while paper review and selection was performed by the Conference Program Committee. 120 papers from 13 different counties were presented at the Conference. Conference was attended by 161 participants, including 12 participants from Bosnia and Herzegovina, 6 from Rumania, 4 from Norway, 2 from Slovenia and 1 from Holland, Canada and USA each.

The 3rd Power Plants Conference was held in late October 2008 in Vrnjačka Banja. The Power Plants 2008 Conference was organized as an international conference, with simultaneous translation provided for international visitors. The Conference was organized under the patronage of the Ministry of Mining and Energy, Ministry of Science and Technological Development and Ministry of Space Planning and Environment of the Republic of Serbia, Public Electric Utility Company "Elektroprivreda Srbije" and Serbian Chamber of Commerce. The Conference was officially opened by the Minister of Mining and Energy, followed by introductory notes given by representatives of the Ministry of Science and Technological Development and Public Electric Utility Company "Elektroprivreda Srbije". More than 300 participants attended the conference, many of them from the Serbian Public Electric Utility Company and Electric Utility Companies of the neighbouring countries, scientific and research institutes and companies, and about 40 participants from Poland, Russia, Great Britain, Germany, USA, South African Republic, Finland, Sweden, Greece, Slovakia, Romania, Hungary, South Korea, Kazakhstan and former Yugoslav Republics. Representatives of EU institutions and the Ministry of Mining and Energy presented the newest information on the Energy Community of South East European countries and implementation of the Treaty in the period to come, followed by presentations given by invited international guest speakers. The Conference was organized by Organizing Board whose members included Mr. P. Stefanović (presiding), Ms. Dragoslava Stojiljković, Mr. D. Cvetinović, Mr. A. Jakovljević, Mr. P. Šekeljić, Mr. P. Grujčić, Mr. Dj. Biljanovski, Mr. M. Bajić and Ms. M. Studović, while Professor Miroljub Adžić was appointed president of the Scientific Board. About 120 papers were presented either as oral or poster presentations.

The 14th Symposium of Thermal Engineers of Serbia was held in October 2009 in Sokobanja. The Symposium was organized by the Faculty of Mechanical Engineering in Niš. Mr. Mladen Stojiljković, professor at the Faculty of Mechanical Engineering in Niš, was appointed the president of Organizing Board. The main sponsors included the Ministry of Science and Technological Development and Serbian Chamber of Engineers. The Symposium addressed issues of energy sources and energy potentials; heat and mass flows and transfer, energy efficiency and rational energy use; energy generation technologies and plants; new and renewable energy sources; analysis of plants in operation and their experimental investigation; reliability of processes, equipment and plants and process automation and control; process modelling and numerical simulation and environmental protection. The Symposium was attended by 146 participants from Serbia and 21 participants from abroad. A total of 106 papers were presented, including 92 papers from Serbia and 14 from abroad. Apart from the presenters, the Symposium was also attended by representatives of approximately ten companies involved in design, manufacturing and sales of thermal engineering and process equipment. The companies, led by "Termovent Komerc", financially supported the event in those, economically very

challenging times. Numerous authors and international gests provided great chance for the participants to establish valuable connections.

The 2nd Regional Conference on Power Industry Engineering and Environmental Protection in South East Europe – IEEP 2010 was held from 22-26 June, 2010 in Zlatibor. This, sixth in a row Conference on power industry engineering and second regional conference was organized by Society of Thermal Engineers of Serbia and Serbian Energy Efficiency Agency. The Conference was focused on issues associated with energy efficiency, with many papers addressing the issues of energy policy and use of renewable energy sources. The Conference was held under the patronage and with the help of Ministry of Mining and Energy and Ministry of Spatial Planning and Environment of the Republic of Serbia, Serbian Chamber of Engineers and Serbian Chamber of Commerce. The Conference was officially opened by the Minister of Mining and Energy. The Conference program included several sessions: Energy Policy, Legislation and Incentive Measures (12); Energy Policy, Legislation and Energy Efficiency Programs in the Countries in the Region; Investing into Industrial Energy Efficiency Programs and Environmental Protection (28); Process Management and Industrial Energy Management (15); Environmental Protection and Sustainable Development (15) and Industrial Use of Alternative Fuels and Renewable Energy Sources (30). One Conference session was dedicated to the work of Norwegian doctoral students, with related session titled ”Energy and the Environment” (9). Numbers in brackets indicate the number of papers presented.

Conference was attended by 164 registered participants, including 56 from abroad. Total number of Conference participants, including the guests, reached about 200, coming from 85 different institutions. Apart from Serbian participants, the Conference was attended by participants from all countries in the region i.e. Bosnia and Herzegovina, Croatia, Slovenia, Macedonia, Romania, Greece, Hungary, Bulgaria, the Central European countries i.e. Norway, Germany, Italy, Holland and Poland, as well as Japan, Canada and USA. A total of 113 papers were presented, 91 as oral and 22 as poster presentations. Official Conference languages were English and Serbian, with simultaneous translation provided for international visitors. The Conference was sponsored by numerous reputable Serbian and international companies.

In October 2010, the Society of Thermal Engineers of Serbia organized the 4th Power Plants Conference in Vrnjačka Banja. The Power Plants 2010 Conference was organized under the official title "Energy Resources, Energy Efficiency, Environmental and Exploitation Aspects of Power Plant Operation", with simultaneous translation provided for international visitors. The Conference was again organized under the patronage of the Ministry of Mining and Energy, Ministry of Science and Technological Development and Ministry of Space Planning and Environment of the Republic of Serbia, as well as the Public Electric Utility Company “Elektroprivreda Srbije“. The Conference was officially opened by the Minister of Mining and Energy, while participants were greeted with a welcome address given by the Ambassador of the Kingdom of Norway to Serbia. Conference participants included numerous guest speakers, official EU representatives, representatives of the Secretariat of the Energy Community of South East European countries and reputable international researchers and experts in leading international and Serbian companies, including Alstom Power, Energoprojekt-Entel, RAFAKO etc. The Conference program included several sessions: energy resources and sustainable development, electricity market liberalization, energy efficiency and rational power plant operation, problems associated with power plant life extension and system integration of new, more efficient and environmentally beneficial power generation technologies and equipment, exploitation problems in

hydro/thermal/wind and other power generation facilities, as well as environmental and climate aspects of power generation in hydro/thermal/wind power plants. In line with celebration of 40 years of successful operation of Thermal Power Plant „Nikola Tesla“ and Hydro Power Plant „Đerdap“, a large number of papers was dedicated to plant life extension, but also to integration of new, more efficient and environmentally beneficial power generation technologies and equipment. The Conference was attended by approximately 300 researchers, experts, engineers and state officials, as well as representatives of many companies from the Energy Community Treaty signatory and observer countries: Serbia, Bosnia and Herzegovina, Slovenia, Macedonia, Croatia and Montenegro, as well as other countries, including Russia, Great Britain, USA, Poland, Czech Republic, Germany, Austria, Finland, Sweden, Switzerland, Romania and Iran. A total of 120 papers were presented, including 27 presentations given by invited speakers, who addressed the issues of broad scientific and engineering importance for the regional power sector development, 71 oral presentations and 22 poster presentations. Abstracts of presented papers were published in the Conference Proceeding, while the full-text papers was made available on the Conference CD. Edited and reviewed presentations of invited guest speakers and selected papers addressing the issues of broad scientific and engineering importance for the regional power sector development were published in the periodical "Elektroprivreda“ and were prepared to be published in "Termotehnika“ Journal.

The 3rd Conference on Power Industry Engineering and Environmental Protection in South East Europe – IEEP 2011 was held from 21-25 June, 2011 in Zlatibor. The Conference was organized by Society of Thermal Engineers of Serbia and Serbian Energy Efficiency Agency, and was held under the patronage of the Ministry of Education and Science of the Republic of Serbia and Serbian Chamber of Commerce. The Conference was officially opened by the Deputy Minister in charge of issues associated with energy, renewable energy sources and energy efficiency. Conference program included six main sessions and one poster session, with papers addressing the topics of energy policy and legislation, energy efficiency programs in the region, energy efficiency in industrial sector and in the field of building construction, environmental protection and renewable energy sources. The conference has attracted significant number of international experts from East and South East Europe, as well as Germany, Austria, Great Britain, Italy, Netherlands and other countries. More than 120 participants and guests attended the conference, with more than 80 paper and 10 abstract presentations submitted by authors from 14 different countries. Conference participants included experts of various specialties, pointing out a need for multidisciplinary approach when addressing energy efficiency and environmental protection issues, as well as when introducing energy efficiency concept into public policy management. Poster session included presentation of Serbian and international manufacturing and consulting companies. A panel discussion was held during the last day of the Conference. Based on panel session discussions and everything that was said during the official conference program, the Organizing Board has defined eight conclusions that were adopted as guidelines for future activities in the field of energy efficiency, renewable energy sources and environmental protection, including a need for more intensified cooperation with similar societies in the region as well as international institutions.

The Society of Thermal Engineers of Serbia organized a regular General Assembly meeting on 25 June, 2011 in Kopaonik. On that occasion, addenda to the Statute of the Society were adopted in accordance with the Law on Associations (Official Gazette of RS, No. 51/09). Regular report on the activities of the Society carried out from 2008 to

2011 was presented at the meeting, coupled with analysis of conferences and forums organized in the same period, related publications, cooperation with professional organizations in the country and abroad, as well as financial report on the financial aspects of Society's work. The Report was officially adopted after discussion about the information presented.

The 15th Symposium of Thermal Engineers of Serbia i.e. SIMTERM 2011 was held in the period 18 – 21 October, 2011, in Sokobanja. The Symposium was organized by the Faculty of Mechanical Engineering in Niš and Society of Thermal Engineers of Serbia, supported by Ministry of Education and Science of the Republic of Serbia and Serbian Chamber of Commerce. Professor M. Stojiljković was appointed the president of Organizing Board. Official language of the Symposium was English.

The Symposium addressed issues of heat and mass flows and transfer, energy efficiency and rational energy use; energy generation technologies and plants; new and renewable energy sources; analysis of plants in operation and their experimental investigation; process automation, control and expert engineering systems; process modelling and numerical simulations; environmental protection and transport – energy and environmental aspects.

The Symposium provided an opportunity to present results of several projects funded by the Ministry of Education and Science. A panel discussion on the issues of "Energy Efficiency in Buildings" was held in line with the Conference program, primarily with a goal to discuss new national Rulebook on Building Energy Performance Certificates. Moderators of this panel discussion, which attracted great interest, were Prof. Dragoslav Šumarac and Docent Maja Todorović.

The Symposium was attended by 250 participants from Serbia and 27 from abroad (Greece, Brazil, Russia, Germany, Portugal, Macedonia, Romania, Croatia and Republic of Srpska). A total of 100 papers were presented, including 88 papers from Serbia and 12 from abroad.

All papers were published in Symposium Proceedings, which were made available in electronic form only, while paper abstracts were published in the Book of Abstracts. The most distinguished papers were planned to be reviewed and published in scientific journals "Thermal Science", „Termotehnika" and others.

Apart from the presenters and reputable guests, the Symposium was also attended by representatives of approximately ten companies involved in design, manufacturing and sales of thermal engineering and process equipment.

In 2011, the Society of Thermal Engineers of Serbia further extended its scope of work, by initiating the "Serbia Energy Day", an event organized throughout Europe during the EU Sustainable Energy Week. Serbia Energy Day 2011 was organized by Society of Thermal Engineers of Serbia and the company Energoprojekt-Entel, as a one-day event held on April 11th, 2011 in Belgrade. The Serbia Energy Day 2011 was primarily focused on the best practice examples.

Apart from activities carried out through series of events and professional conferences, the Society of Thermal Engineers of Serbia has also participated in numerous scientific and expert forum discussions. In that manner, in the period from 2003 to 2008, the Society has organized 13 forum sessions, including 7 professional engineering forums, out of which 4 were organized by relevant Ministries of the Republic of Serbia, and 2 scientific-professional engineering forum sessions. All forum sessions were organized at the Faculty of Mechanical Engineering in Belgrade during the period mentioned earlier, with the most numerous sessions carried out in 2004 (4). The same initiative was continued in the period from 2009 to 2011, with related report

submitted to the General Assembly of the Society and discussed at the General Assembly meeting held on 25 June, 2011.

Publications of the Society of Thermal Engineers
The „Termotehnika“ Journal

As mentioned earlier, the thread of continuity in thermal engineering actions, with activities carried out even during the most difficult times, were continuously published scientific and professional engineering periodicals of the Society of Thermal Engineers. The most important contribution represented the oldest thermal engineering journal “Termotehnika“. The Journal was started in 1975 in the Thermal Engineering Laboratory of “VINČA” Institute, in line with preparation of the 4th Symposium of Thermal Engineers of Yugoslavia, held in Belgrade in 1976. The first Editor-in-Chief was Mr. Milan Vesović, professor at the Faculty of Mechanical Engineering in Belgrade, while Mr. Ljubomir Jovanović, Ph.D., from “VINČA” Institute was appointed Deputy Editor-in-Chief. In 1982, Mr. Lj. Jovanović, Ph.D., was appointed new Editor-in-Chief, holding the position until his passing in 2009. In 2003, Mr. Predrag Stefanović, again from the Thermal Engineering Laboratory of “VINČA” Institute, was elected Deputy Editor-in-Chief. Mr. Stefanović still carries out the same duties.

The Journal “Termotehnika“ was initially envisaged to be the STEY’s periodical, containing papers presented at Symposiums of Thermal Engineers of Yugoslavia. However, not long after being started, the Journal began presenting high quality scientific and professional engineering papers from the field of power engineering i.e. heat and mass transfer. The papers were submitted from all parts of Yugoslavia, but mostly from Serbia and Slovenia. After similar journals starting running in different Yugoslav republics, less and less papers were submitted to be published in “Termotehnika“, which resulted in 1990 issues that contained papers submitted by Serbian and Macedonian authors only, with sporadic contribution of foreign authors. After 2003, a great effort has been made to keep the Journal continuity and recognizable level of quality in national scientific circles. In the early 20th century, “Termotehnika“ was classified by the Ministry of Science and Technological Development as the leading national quarterly journal i.e. journal with at least three issues per year.

It is without a doubt that regular issuing of “Termotehnika“ Journal has considerably contributed to reputation of the Society of Thermal Engineers, as well as promotion of thermal engineering, science and research activities in SFRY and later in Serbia in general. In times when the Society of Thermal Engineers celebrates 50 years since being founded, the “Termotehnika“ Journal marks its 38th year anniversary. This important milestone is primarily a result of efforts and contribution of its long-standing Editor-in-Chief, Mr. Ljubomir Jovanović, Ph. D., who was always able to find a solution to seemingly hopeless situation, both with respect to Journal related issues as well as in the Thermal Engineering Laboratory of “VINČA” Institute, which was, when necessary, jumping to the rescue both financially and personnel-wise. Today, papers published in “Termotehnika“ are uploaded on the official Journal website, as abstracts with keywords and references, as well as on the website of the National Library of Serbia. The Journal website, http://termotehnika.vinca.rs/, will soon be offering readers the opportunity to download full-text papers and additional journal materials.

The "Thermal Science" Journal

More than two decades after starting “Termotehnika“ Journal, in 1994, in Thermal Engineering Laboratory of “VINČA” Institute, professor Simeon Oka initiated the idea to start a new international journal i.e. “Thermal Science“ Journal. The Journal was

officially started by a decision of the General Assembly of the Society of Thermal Engineers of Yugoslavia, adopted at a meeting held in Belgrade in 1994, and established as a publication to be compiled in line with highest criteria set out for international journals. The Journal was envisaged as a publication presenting results of fundamental and applied research in thermal science, thermal and power engineering, process and chemical engineering, environmental sciences, scientific fields that represent a foundation of all thermal and chemical processes occurring in process facilities, fluid mechanics (predominantly turbulent flows), heat and mass transfer, combustion and chemical processes, single-phase and multi-phase flows, multicomponent flows and related chemical reactions, as well as high-temperature chemically reacting flows, with published papers fulfilling the highest requirements set out for international scientific publications.

During 1995 and 1996, fourth, special issue of "Thermal Science" was published in English language. By special decisions of the Executive Board of Society of Thermal Engineers of Yugoslavia and Ministry of Information of the Republic of Serbia, adopted in 1997, "Thermal Science" was declared the special scientific journal published in English language, started by the Society of Thermal Engineers and issued by "VINČA" Institute of Nuclear Sciences. The Journal was initially published biannually. For the first time in 2005, three issues were published during one year. Since 2006, the Journal is regularly issued four times a year, with a circulation about 350–400 copies.

At the end of the last decade of 20th century, the Ministry of Science and Technological Development awarded "Thermal Science" the status of international journal. In 2007, the Ministry of Science has selected the "Thermal Science" Journal, together with 15 other national journals, as publication to be uploaded on the website of the National Library of Serbia and made available through international DOI[5] network. The Journal is distributed to more than 150 locations abroad and about 150 locations in Serbia, regularly exchanging issues with 16 international journals and publications. "Thermal Science" is included in the international internet network DOAJ[6], which enables it to be much more internationally visible. Since 2010, "Thermal Science" is presented on the website of the National Library of Serbia, where a list of papers accepted to be published in the Journal is listed on the "Online first" list. In that manner, the papers are publicly available even before they are officially published in the Journal, which is particularly important to the authors.

In addition, "Thermal Science" is recognized as the relevant international journal by international institutions carrying out categorization and ranking of international periodicals. In that respect, "Thermal Science" was given an impact factor of 0.407 for 2009 and impact factor of 0.51 for 2011, thereby demonstrating that the number of Journal citations is increasing. Since the indicated impact factor has been achieved, which is deemed quite high for journal issued in a small country and by relatively unknown publisher, there are no more problems to acquire the sufficient number of papers from Serbia and abroad. On the contrary, the Journal receives more and more papers submitted by authors from developed countries. As an example, in 2009 there were 160 papers submitted for review, in 2010 the number increased to 273, while in 2011 impressive 470 papers have been submitted. Impact factor of "Thermal Science" estimated for early 2012 reached 0.85.

Considerable improvement of Journal's international reputation and quality is clearly visible from the offers received regarding publishing of special issues i.e. supplements to the "Thermal Science" Journal. Proposals have been received from

[5] Direct Open Information
[6] Direct Open Journal Access

Kragujevac, China, Hungary, Spain etc. So far, several "Thermal Science" Supplements have been published, including a special issue dedicated to 50 year anniversary of the Faculty of Mechanical Engineering in Kragujevac, with Professor Milun Babić in the role of Editor; journal supplement comprising papers presented in a mini-symposium *Analytical Methods for Thermal Science*, held in September 2010 in Shanghai, China, within the scope of *3rd International Symposium on Nonlinear Dynamics*, with Professor Ji-Huan He as the Guest Editor; special issue dedicated to 50 year anniversary of the Faculty of Mechanical Engineering in Niš is currently being prepared, as well as several others.

Apart for being the Journal's Editor-in-Chef, Professor Simeon Oka, without whose devotion to work and his international reputation "Thermal Science" can hardly be imagined, publishing and editing tasks are allocated to 8-member National Publishing Council. Since 2003, the Journal was given a regional character, with Editorial Board comprising reputable experts from Bulgaria, Macedonia, Greece, Romania, Republic of Srpska, Serbia, Montenegro, Croatia and Slovenia. Quality of selected papers is controlled by the International Advisory Board comprising 31 distinguished international experts.

Proposition that came from the well known German publishing house, the company Springer, to take under its wing the "Thermal Science" Journal, was not accepted, mainly because it was decided that the journal need to remain a Serbian publication and keep the so called "Open access" status i.e. to be available to all. A contract has been signed with the company EBSCO Publishing, Inc. USA, based on which the "Thermal Science" Journal is to be published on EBSCO website and linked to all EBSCO links, all for a minimum fee. The journal shall therefore keep the independent Open access status and enable free access to papers published.

By the end of 2011, Thermal Science has been published for full 15 years, constantly increasing the quality and number of papers submitted by international authors. The Journal has acquired a reputable reputation not only in the region, but in the world as well, considerably contributing to presentation of national as well as regional research activities in the world and vice versa. It is also justified to say that the Journal has also contributed to the reputation of the Society of Thermal Engineers of Serbia. Ministry of Science of the Republic of Serbia financially supports the Journal publishing, with additionally needed funding provided by the Society of Thermal Engineers of Serbia, "VINČA" Institute and Serbian Chamber of Commerce, as well as several different companies which occasionally offer their support. Special issues are financed by proposing parties.

Books and monographs

Successful publishing activities of the Society of Thermal Engineers have also been reflected though a series of eight books, published in a Series titled "Library of Scientific and Research Achievements", either independently or together with "VINČA" Institute as a co-publisher. Two out of the eight books were selected winners of the October Award of the City of Belgrade for achievements in the field of science, awarded in 1994 and 1996. A list of published books is presented in Appendix 3.

Conclusion

After summing up the successful work of the Society of Thermal Engineers, which has existed and worked under several different names, it may be concluded that the most noticeable results were primarily achieved with respect to capacity building, reflected through top research, scientific and engineering personnel which represent today's

leaders in the field of thermal and power engineering in Serbia, as well as in most of the former SFRY countries.

By following the latest scientific and technological developments over the curse of 50 years since being founded, the Society of Thermal Engineers has always, whether directly at Society-organized conferences or through its publications, emphasised the importance of fundamental scientific and engineering fields, as well as associated research activities, thereby constantly promoting their integration into the common engineering practice. Over different periods of time, these fundamental scientific and engineering fields included issues associated with combustion of domestically available lignite coals, exploitation problems encountered in thermal power plants, use of biomass for energy generation, energy efficiency, modern combustion technologies, agricultural drying technologies and equipment, modern technologies for reduction of air pollution emissions from industrial plants and power plants, standardization of methods used for determining thermophysical properties of materials, measurement methods used for power plant process diagnostics and many others. Symposium Proceedings or Book of Abstracts were published following each Symposium of Thermal Engineers held in SFRY until 1975. Since 1975, many papers presented at later symposia have been published in "Termotehnika" Journal.

Participation of thermal engineers in all national and many international congresses and conferences organized in the field of heat and mass transfer, thermophysics, as well as thermal and power engineering is also worth mentioning. Contribution of the Society of Thermal Engineers towards establishing and broadening international cooperation in the field of thermal sciences, both with respect to scientific institutions and individual professionals, is deemed particularly important. The said efforts were especially useful for the improved quality of research and scientific work in the fields mentioned. Establishment of International Centre for Heat and Mass Transfer (ICHMT) was deemed highly important for the efforts made, as well as regular publishing of "Thermal Science" Journal, which provided an opportunity for the work and achievements of local researches and scientist to be presented to broader international public.

By applying the pragmatic approach and relying on the staff employed at institutes and higher education institutions, activities of the Society are predominantly directed towards organization of scientific and professional engineering events, publication of journals/books and activities in research institutes and higher education institutions. With respect to the last one mentioned, open or closed forum discussion were found to be particularly useful, as well as meetings organized by different faculty departments. The Society plays an important role in organizing meetings, cooperation and exchange of ideas between researchers and engineers in the field of thermal and power engineering, but lately also between engineers from related areas of process and chemical engineering, environmental protection and similar fields. Activities of the Society, including organization of symposia and Society's publications, contribute to the promotion of heat and mass transfer related issues, as well as affirmation of individuals and institutions in the field mentioned. Heat and mass transfer is no longer considered only a part of thermodynamics, but the field that represents fundamental ground of thermal, power and process engineering, also encountered in everyday life.

Apart from the Society of Thermal Engineers, there are other similar professional societies, primarily the Serbian Society of Heating, Refrigerating and Air-Conditioning (KGH) and Serbian Society of Process Engineering. Quite rapid development of certain thermal engineering fields has motivated experts from the industry and related design branches to find their place in specialized professional and expert associations, such as KGH and Society of Process Engineering. Symposia of Thermal Engineers were

therefore directed towards analysis of common scientific problems and fundamental processes that lie at the foundation of all thermal and power engineering specialties.

Today, papers presented at symposia and published in the journals of the Society of Thermal Engineers of Serbia more and more address heat and mass transfer problems and processes, as well as combustion and chemical reactions in thermal, power and process engineering and ecology. It is sure that sudden drop in industrial production recorded during the transitional period which is still far from being over, as well as unfavourable circumstances associated with ongoing world economic crisis, have greatly affected this part of the world. It would not be surprising if, as a result, faculties and institutes begin directing their activities more towards methodological and fundamental research.

Lately it has been observed, through papers presented at symposia and work published in scientific journals, that scientific and engineering interests are more and more turning to the issues of energy efficiency, rational energy use and use of renewable energy sources. This primarily results from high importance of the issues mentioned, but also from the guidelines and recommendations provided by the Ministry of Science and Technological Development. It is very praiseworthy that the Society of Thermal Engineers of Serbia has, through its most distinguished members, participated in initiation and evaluation of thermal engineering projects and activities funded by relevant state ministries over the last decade. This has brought the Society closer to one of its main objectives defined in its Statute.

In addition, it is praiseworthy that all three series of conference events organised by the Society of Thermal Engineers of Serbia are fully open to international participation and cooperation, with constantly increasing number of participants coming from ever-expanding list of countries. This also indicates that the Society is not alone in its attempts to solve the problems that have been encountered and find feasible solutions. The same is true for periodicals of the Society of Thermal Engineers of Serbia, where recorded increase of international impact and relevance of "Thermal Science" Journal is particularly encouraging.

It is also very affirmative that in addition to Heat Office in Belgrade, other national centres focused on thermal engineering research and development are becoming more distinguished. These centres primarily include faculty departments and laboratories in Niš, Novi Sad, Kragujevac and Kraljevo Universities. The said tendencies are clearly noted from the latest symposia and publications of the Society of Thermal Engineers of Serbia. However, the main problem facing the thermal engineering society today is ever-decreasing science budget, as well as maximally reduced funding of relatively expensive experimental research programs and investments available for procurement of new equipment. Such situation results in more and more research activities being directed towards numerical and computer simulations.

When something last, then changes in the society inevitably have some kind of impact, at least that name-related. In that respect, once founded as the Society of Thermal Engineers of Yugoslavia and later renamed to Society of Thermal Engineers of Serbia and Montenegro, the society today proudly holds the name of Society of Thermal Engineers of Serbia. However, the most important accomplishment represents the fact that scientific, expert and professional engineering activities of the Society in the field of thermal engineering have been continuously maintained over the years, in spite of the problems and crises that have occurred in a 50-year long period since the Society was founded. In spite of all the changes and weaknesses, the Society of Thermal Engineers has always been committed to providing a valuable contribution to the development of

science and engineering fields, constantly raising awareness of the fact that thermal processes are present all around us and that they can not be ignored.

Prof. Kosta D. Maglić, Ph.D.

Appendix 1: Minutes of the Statutory Meeting of the International Centre for Heat and Mass Transfer

Z A P I S N I K

osnivačkog sastanka Medjunarodnog centra za prenos toplote i mase, održan 16 septembra 1968.god. u Herceg Novom, Jugoslavija

Dnevni red

1. Predsednik Organizacionog odbora Medjunarodne letnje škole o prenosu toplote i mase predlaže predsednika sastanka.
2. Predsednik sastanka izlaže ciljeve sastanka i predstavlja prisutna lica.
3. Predsednik Organizacionog odbora Medjunarodne letnje škole podnosi izveštaj o školi.
4. Predsednik sastanka podnosi predloge o daljem razvoju Škole i poziva na diskusiju o predlozima.
5. Razmena mišljenja o temama sledećeg seminara.
6. Razno.

Ad.1 Sastanak je otvorio N. Afgan, predsednik Organizacionog odbora Medjunarodne letnje škole i predložio za predsednika sastanka prof. D. Veličkovića, člana Srpske akademije nauka i umetnosti. Predlog je jednoglasno usvojen.

Ad.2. Prof. Veličković je zahvalio na izboru i predstavio lica prisutna sastanku ističući u kom svojstvu ona prisustvuju:
N. Afgan, Institut za nuklearne nauke "Boris Kidrič", Vinča, predsednik Organizacionog odbora,

P. Anastasijević, generalni sekretar Jugoslovenskog društva termičara, Beograd,

E. A. Brun , Univerzitet u Parizu, pozvan,

A. Fortier, Prirodnomatematički fakultet u Parizu, pozvan,

E. Hahne, Visoka tehnička škola, Minhen , kao predstavnik prof. U. Grigull-a,

J.P. Hartnett, Univerzitet Illinois, Čikago, pozvan

S.S. Kutateladze, Institut za termofiziku, Novosibirsk, pozvan

Dl Malić, Univerzitet u Beogradu, predsednik Jugoslovenskog društva termičara,

W. E. Nicoll, Univerzitet u Vaterlou, Kanada,

G. N. Pustincev, Institut za prenos toplote i mase, Minsk, kao predstavnik akademika prof. A. K. Likova,

M. Ristić, predstavnik Medjunarodne agencije za atomsku energiju Beč,

W. M. Rohsenow, Masačusetski Tehnološki Institut (M.I.T.) , Kembridž, SAD, pozvan

D.B. Spalding, Imperial College, London pozvan,

M.A. Stirikovič, Institut za visoke temperature, Moskva ,pozvan

D. Veličković, Srpska akademija nauka i umetnosti, Beograd, pozvan,

K. Voronjec, Srpska akademija nauka i umetnosti, Beograd, pozvan

Z. Zarić, Institut ua nuklearne nauke "Boris Kidrič", sekretar Organizacionog odbora, Beograd,

N. Zuber, Univerzitet u Njujorku, SAD, pozvan,

Zatim je predsednik izložio cilj sastanka;

- da razmotri buduću delatnost Škole,
- da izabere članove Naučnog veća,
- da diskutuje o temi sledećeg seminara

Ad.3. N. Afgan je podneo izveštaj o učešću na sadašnjoj školi, i izveštaj o prihodima Škole. U radu Škole uzelo je učešća 115 lica iz 11 zemalja.

Zemlja	Broj predavača	Broj učesnika
Čehoslovačka	-	1
Engleska	3	4
Francuska	3	13
Italija	-	1
Kanada	1	-
Nemačka savez.republ.	-	3
SAD	3	2
SSSR	4	19
Švajcarska	-	4
Švedska	-	4
Jugoslavija	2	51
	16	99 = 115

Prihodi Škole:

Kotizacija učesnika	Din. 81.250
Savezna komisija za nuklearnu energiju	120.000
Medj. agencija za atom.energiju	25.000
	Din 226.250

Ad.4 Pošto su svi prisutni dobili pismeni tekst " Predlozi o budućem razvoju", predsednik je pozvao prisutne da razmotre svaki predlog pojedinačno.

Posle završene diskusije doneseni su jednoglasno sledeći zaključci:

4.1. Medjunarodnu aktivnost započetu sa sadašnjom Školom o prenosu toplote i mase treba nastaviti;

4.2. Poželjno je da se aktivnost ponešto proširi tako da obuhvati i druge vidove medjunarodne saradnje u oblasti prenosa toplote i mase; pri tome ne bi trebalo da dodje do dupliranja sa delatnostima postojećih organizacija (napr. sa delatnosti medjunarodnih konferencija i časopisa).

4.3. U tom cilju treba izmeniti naziv organizacije od "Medjunarodne letnje škole" u " Medjunarodni centar za prenos toplote i mase (na engleskom: "International centre for Heat and Mass Transfer", na francuskom : " Centre International d'Studes sur le Transfert de Chaleur et de Masse", na ruskom: Meždunarodni center po teplo i massoobmenu").

4.4. Ciljevi centra treba da budu unapredjivanje medjunarodne saradnje u istraživanju prenosa toplote i mase i njegovoj primeni:

4.4.1 održavanje medjunarodnih seminara o odabranim specijalnim temama;

4.4.2 unapredjivanjem istraživačke delatnosti na osnovi medjunarodnog učešća;

4.4.3. ostalim pogodnim sredstvima (napr. organizovanjem razmene informacija, predavača, istraživača itd.)

4.5. Organizaciona struktura:

Centar treba da ima:

4.5.1. Naučno veće sastavljeno od istaknutih naučnika iz mnogih zemalja.

4.5.2. Organizacioni odbor.
Članovi Naučnog veća će savetom i kritikom pomagati preko svog predsednika, Organizacionom odboru i pružanjem svojih usluga unapredjivati interese Centra.

Organizacioni odbor će preko svog predsednika davati inicijativu za razne delatnosti Centra, vršiti nadzor nad njima a u cilju ostvarenja ciljeva Centra.

4.6. Članstvo u Naučnom veću i Organizacionom odboru.

4.6.1. Po isteku izvesnog početnog perioda Predsednik Naučnog veća i predsednik Organizacionog odbora u saradnji izradiće pravila o redovnom izboru članova Naučnog veća i Organizacionog odbora kao i o prestanka članstva.

4.6.2. Da bi se Centar osnovao izabrani su u Naučno veće:

Predsednik: Prof. E.A. Brun, Pariz
Potpredsednici: Prof. E.R.G. Eckert, Minneapolis
Prof. M.A. Stiriković, Moskva
Prof. D. Veličković, Beograd
Sekretar : Prof. Z.Zarić, Beograd

4.6.3. Organizacioni odbor će se sastojati od najviše osam lica, od kojih će svako lice služiti u odboru u ličnom svojstvu. Izabrani su u Organizacioni odbor:

Predsednik: Prof. N. Afgan, Beograd
Potpredsednik: Prof. D.B. Spalding, London
Sekretar : Prof. Z. Zarić, Beograd

4.6.4. Predsednik Naučnog veća u konsultaciji sa potpredsednicima pozvaće naknadno lica da rade kao članovi Naučnog veća imajući pri tome naročito u vidu da se postigne široko medjunarodno predstavništvo.

4.6.5. Predsednik Organizacionog odbora u konsultaciji sa potpredsednikom pozvaće naknadno lica da rade kao članovi Organizacionog odbora sa naročitim osvrtom na njihovu sposobnost da učestvuju u organizacionom radu.

Ad.5. Pošto je predloženo nekoliko tema za naredni seminar, rešeno je da Naučno veće Centra predstavljeno od članova prisutnih na ovoj Letnjoj školi razmotri na zasebnom sastanku temu narednog seminara.

Ad.6. Prisutni su razmotrili problem štampanja zbornika radova Letnje Škole 1968. Rešeno je:

6.1. Zbornik će se štampati na engleskom jeziku što pre a

najkasnije do jula 1969.

6.2. U tom cilju predavanja i saopštenja prezentirana na drugim jezicima autori će prevesti na engleski i dostaviti uredniku do kraja decembra 1968.

6.3. O ostalim detaljima u vezi sa Zbornikom rešavaće Organizacioni odbor.

PREDSEDNIK

Prof. D. Veličković

Appendix 2 Proceedings from international conferences of International Centre for Heat and Mass Transfer, from 1968 to 1992

1. **Heat and Mass Transfer in Turbulent Boundary Layers,** N.H. Afgan, Z. Zarić, and P. Anastasijević (eds.), Pergamon Press, Vol. 1-2, pp. 1040, 1972.
2. **Heat and Mass Transfer in Flows with Separated Regions and Measurement Techniques,** Z. Zarić (ed.), Pergamon Press, pp. ? 1972.
3. **Heat and Mass Transfer in Rheologically Complex Fluids,** W.R. Schowalter, A.V. Luikov, W.J. Minkowycz and N.H. Afgan (eds.), Pergamon Press, pp.349, 1972.
4. **Heat Transfer in Liquid Metals,** O.E. Dwyer (ed.), Pergamon Press, pp. 595, 1973.
5. **Heat Exchangers: Design and Theory Sourcebook**, N.H. Afgan and E.U. Schlünder (eds.), Scripta Book Co. and McGraw-Hill, pp. 893, 1974.
6. **Heat Transfer in Fires,** P.L. Blackshear (ed.), Scripta Book Co. and John Wiley & Sons, pp. 516, 1974.
7. **Heat Transfer in Flames,** N.H. Afgan and J.M. Beer (eds.), Scripta Book Co. and John Wiley & Sons, pp. 501, 1974.
8. **Heat and Mass Transfer in the Biosphere**, D.A. De Vries and N.H. Afgan (eds.), Scripta Book Co. and John Wiley & Sons, pp. 591, 1975
9. **Altemative Energy Sources**, J.P. Hartnett (ed.), Hemisphere Publishing Corp. and Academic Press, pp. 328, 1976.
10. **Future Energy Production Systems,** J.C. Denton and N.H. Afgan (eds.), Hemisphere Publishing Corp. and Academic Press, Vol. 1-2, pp. 866, 1976.
11. **Thermal Effluent Disposal from Power Generation,** Z. Zarić (ed.), Hemisphere Publishing Corp. and McGraw-Hill, pp.375, 1978.
12. **Heat Transfer and Turbulent Buoyant Convection,** D.B. Spalding and N.H. Afgan (eds.), Hemisphere Publishing Corp. and McGraw-Hill, Vol. 1-2, pp. 835, 1977.
13. **Energy Conservation in Heating, Cooling, and Ventilating Buildings**, C.J. Hoogendoorn and N.H. Afgan (eds.), Hemisphere Publishing Corp., Vol. 1-2, pp. 901, 1978.
14. **Two-phase Momentum, Heat and Mass Transfer in Chemical, Process, and Energy Engineering Systems**, F. Durst, G.V. Tsiklauri and N.H. Afgan (eds.), Hemisphere Publishing Corp. and McGraw-Hill, Vol. 1-2, pp. 1079, 1979.
15. **Heat and Mass Transfer in Metallurgical Systems,** D.B. Spalding and N.H. Afgan (eds.), Hemisphere Publishing Corp. and McGraw-Hill, pp. 758, 1981.
16. **Mathematical and Physical Modelling of Metals Processing Applications,** J. Szekely, J.W. Evans and K. Brimacombe (eds.), ICHMT and Hemisphere Publishing Co ., pp. 400, 1980.
17. **Nuclear Reactor Safety Heat Transfer,** O.C. Jones, Jr.(ed.), Hemisphere Publishing Corp. and McGraw-Hill, pp. 959, 1981.
18. **Structure of Turbulence in Heat and Mass Transfer,** Z. Zarić (ed.), Hemisphere Publishing Corp. and McGraw-Hill, pp. 585, 1982.
19. **Heat Transfer in Nuclear Reactor Safety**, S.G. Bankoff and N.H. Afgan (eds.), Hemisphere Publishing Corp. and McGraw-Hill, pp. 964, 1982.
20. **Guidebook to Light Water Reactor Safety Analysis**, P.B. Abramson (ed.), Hemisphere Publishing Corp. and Springer-Verlag, pp. 393, 19 85.
21. **Heat Exchangers: Theory and Practice**, J. Taborek, G. Hewitt, and N.H. Afgan (eds.) Hemisphere Publishing Corp. and McGraw-Hill, pp. 979, 1983.
22. **Heat and Mass Transfer in Rotating Machinery,** D.E. Metzger and N.H. Afgan (eds.), Hemisphere Publishing Corp. and Springer-Verlag, pp. 713, 1984.
23. **Measurement Techniques in Power Engineering,** N.H. Afgan (ed.), Hemisphere Publishing Corp. and Springer-Verlag, pp. 356, 1985.
24. **Measurement Techniques in Heat and Mass Transfer,** R.I. Soloukhin and N.H. Afgan (eds.), Hemisphere Publishing Corp. and Springer-Verlag, pp. 569, 1985.
25. **Fluidized Bed Combustion,** M. Radovanović (ed.), Hemisphere Publishing Corp. and Springer-Verlag, pp. 307, 1986.
26. **Heat and Mass Transfer in Fixed and Fluidized Beds,** W.P.M. van Swaaij and N.H. Afgan (eds.), Hemisphere Publishing Corp. and Springer-Verlag, pp. 732, 1986.

27. **High Temperature Heat Exchangers,** Y. Mori, A.E. Scheindlin and N.H. Afgan (eds.), Hemisphere Publishing Corp. and Springer-Verlag, pp. 606, 1986.
28. **High Temperature Equipment**, A.E. Scheindlin, (ed.), Hemisphere Publishing Corp. and Springer-Verlag, pp. 402, 1986.
29. **Heat and Mass Transfer in Cryoengineering and Refrigeration,** Bougard and N.H. Afgan (eds.), Hemisphere Publishing Corp. and Springer-Verlag, pp. 665, 1987.
30. **Transient Phenomena in Multiphase Flow,** N.H. Afgan (ed.), Hemisphere Publishing Corp., pp. 1052, 1988.
31. **Heat and Mass Transfer in Gasoline And Diesel Engines,** D.B. Spalding and N.H. Afgan (eds.), Hemisphere Publishing Corp., pp. 746, 1989,
32. **Computer Simulation for Fluid Flow, Heat and Mass Transfer and Combustion in Reciprocating Engines**, N.C. Markatos (ed.), Hemisphere Publishing Corp. pp. 586, 1989.
33. **Near-Wall Turbulence: 1988 Zoran Zarić Memorial Conference**, S.J. Kline and N.H. Afgan (eds.), Hemisphere Publishing Corp., pp. 959, 1990.
34. **Heat Transfer in Electronic and Microelectronic Equipment,** A.E. Bergles (ed.), Hemisphere Publishing Corp., pp.1036,1990.
35. **Mathematical Modelling and Computer Simulation of Processes in Energy Systems,** K. Hanjalić (ed.), Hemisphere Publishing Corp., pp. 922, 1990
36. **Fission Product Transport Processes in Reactor Accidents,** J.T. Rogers (ed.), Hemisphere Publishing Corp., pp. 870, 1990.
37. **Manufacturing and Materials Processing,** W. Aung (ed.), Volume 1: pp. 728, Volume 2: pp. 649, 1997
38. **Expert Systems and Computer Simulation in Energy Engineering,** K. Hanjalić and J.H. Kim (eds.), Begell House Inc., pp. 345, 1995
39. **Spatio-temporal Structure and Chaos in Heat and Mass Transfer"**, L.M. Pismen and M.S. Todorović (eds.), Mrlješ & Sons Ltd, Beograd, Nicosia, pp. ? 1993
40. **Imaging in Transport Processes,** S. Sideman and K. Hijikata (eds.), Begell House, pp. 621, 1993.
41. **Heat Transfer in Turbomachinery,** R.J. Goldstein, A.I. Leontiev and D.E. Metzger (eds.), Begell House Inc., pp. 592, 1994
42. **Heat and Mass Transfer in Energy Systems and Environmental Effects,** J. Cervantes de Gortari (ed.), Begell House Inc., pp. 557, 1993.

Appendix 3: Books published by the Society of Thermal Engineers of Yugoslavia in the Series „Library of Scientific and Research Achievements“, with “VINČA” Institute as co-publisher

1. Sagorevanje biomase u energetske svrhe, **Edited by N. Ninić and S. Oka; Published by STEY and “VINČA” Institute, Belgrade (1992)**
2. Energetski potencijal biljnih ostataka u Srbiji**, N. Ninić, S. Oka, S. Nikolić, M. Nikolić and J. Mićić; Published by STEY and “VINČA” Institute, Belgrade (1994)**
3. Sagorevanje u fluidizovanom sloju - procesi i primena, **S. Oka; Published by STEY and “VINČA”Institute, Belgrade (1994) –** *October Award of the City of Belgrade for 1994*
4. Primarna termometrija, **K. Maglić, G. Danković, N. Perović, Lj. Zeković i A. Stanimirović, Published by STEY and “VINČA” Institute, Belgrade (1996).** *October Award of the City of Belgrade for 1996*
5. Sigurnost i pouzdanost nuklearnih elektrana u okruženju Jugoslavije, **D. Spasojević, V. Jović, Lj. Vujisić, A. Vehauc, L. Jovic, S. Milivojević; Published by STEY and “VINČA” Institute, Belgrade (1996)**
6. Biomasa obnovljiv izvor energije**, Edited by S. Oka and Lj. Jovanović; Published by STEY and “VINČA” Institute, Belgrade(1997)**
7. Matematičko modeliranje kompleksnih turbulentnih transportnih procesa, **M. Sijerčić; Published by STEY and “VINČA” Institute, Belgrade(1999)**
8. Fluidized Beds in Energy Production, Chemical and Process Engineering and Ecology, **Edited by S. Oka and Lj. Jovanović, Proceedings from the 2nd SEEC Symposium, Arandjelovac, 1999; Published by STEY and “VINČA” Institute, Belgrade (1999).**