

6 - 9 JUNE

ELAG2017ATHENS

EUROPEAN LIBRARY AUTOMATION GROUP

41st ELAG CONFERENCE 2017

AUTOMATION -THE INTERNET OF THINGS-

Themes & Sub themes - Call for Proposals - Important Dates -
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ELAG (European Library Automation Group) is Europe's premier conference that focuses on the application of Information Technology in libraries and documentation centers. The 41st International Conference will be held at the National Technical University of Athens, in Athens, Greece, from 6 to 9 June 2017 and it is being jointly organized by the National Technical University of Athens, the Hellenic Academic Libraries Link, the National Library of Greece and the Department of Library Science and Information Systems of the Technological Educational Institution of Athens.

Sub themes

Workflow automation

Statistics, Metrics, Visualization

Self-service

Machine learning

Robots, Hardware



National Technical
University of Athens



NATIONAL LIBRARY
OF GREECE



Department of Library Science
and Information Systems
TEI of Athens

HEALLINK
Hellenic Academic Libraries Link

Topic: Library Automation

Over the past several years, library automation has been very much focused on data processing and front-end user interfaces. This year the conference will focus more on the library workflow aspects and the library back office activities, such as activities that support the modern library. The Sub themes are described below.

Sub themes

Workflow automation

Workflow automation is the class of procedures that manage and orchestrate business activities, resources and services in an organization. Workflow engines provide the tools to create a full description of all the required steps in business activities and monitor the state of these activities. Workflows can be tuned and optimized (semi)-automatically to maximize specific goals (e.g. shortest time to serve a request, maximize processed items). Examples of workflows in libraries are the steps required for moving items to and from the depots (from user request, to printing of a depot slip, to fetching books, to make them available to the end users while keeping track of the status), or a scanning digitization workflows (fetching books, scanning, post-processing, metadata management, digital archiving and providing access copies), or even managing servers (use microservices to automatically increase processing power when needed).

ELAG is interested not only in the workflow engines themselves but especially how automation is used to build intelligent systems which provide an optimized execution of typical library services.

We would like you to talk about:

- How to create intelligent (automated) workflows to do activities one couldn't do before?
- Automation of existing workflows, where machines can take over and lead an activity.
- How is orchestration used in your library to automatically maximize services?
- Which metrics and statistics are being used to measure and optimize the service success rate?
- What tools are used to describe and orchestrate library workflows?

Statistics, Metrics, Visualization

Visualization links the two most powerful information processing systems known: the human mind and the modern computer. As a process, it transforms data, information and knowledge into a visual form exploiting people's natural strengths in rapid visual pattern recognition. Effective visual interfaces enable us to observe, manipulate, search, navigate, explore, filter, discover, understand, and interact with large volume of data far more rapidly and far more effectively to discover hidden patterns. The impact of visualization has been fundamental leading to new insights and more efficient decision-making.

Reporting is a fundamental part of business intelligence and knowledge management. These implementations involve extract, transform, and load (ETL) procedures in coordination with a data warehouse and using reporting tools.

One of the best ways to get a message across is to use visualization to quickly draw attention to the key messages, and by presenting data visually it's also possible to uncover surprising patterns and observations that wouldn't be apparent from looking at statistics alone. Reporting and visualization can be used to present the library's achievements, for example when creating monthly or annual reports and making them more interesting and easier to read.

For many years librarians have developed best practices to assist them in the selection and acquisition of materials they believed best to fit their patrons. Recently libraries had to adjust to the shift from print to electronic. Libraries have already developed bibliographic structures to accommodate the printed book and its acquisition, description and classification. Today through demand driven actions users become partners in collection development. We should check the implementation of DDA (Demand Driven Actions) in library collection, the costs for the libraries, as well as collection sustainability.

Some things to consider for automatic response of systems on registered metrics:

- Data that help inform collections management and strategy.
- Data to assist in the development of new services and improve the user experience.
- Data to better understand user behaviors.
- Data that uncover new types of impact and value for institutions and organizations.

Self-service

Libraries are offering a wide range of self services for their patrons: self registration of library accounts, self checkout and return of physical items, payment machines for library fees, access to learning and reading rooms, download of electronic resources, or even 24/7 complete self service libraries like the "Open Libraries" in Denmark. When these services are user friendly, safe and robust, they can help to cut costs and improve user satisfaction in libraries. They must integrate well with the wider library automation environment, like integrated library systems, patron directories, payment systems etc. We also see new self-services being offered by libraries, like ISBN or DOI self registration services.

We would like to hear about:

- What services are you planning to offer as new self-services in the future? And how?
- What are the technical problems implementing self-services? And how to solve them?
- What library services are hard to offer as a self-service? And how did you manage to do it anyway?
- What about "self services" like Sci-Hub?

Machine learning

Libraries are there to help users find the information they need. New waves of information overload bring new kinds of information technology into play. Does the current information deluge require the use of machine learning to cope? Are you providing automated reading processes to aid your users navigate the flow of new articles in their fields? Do you operate an infrastructure for extracting and recombining data entities from scientific literature? Is automated pattern recognition an integral part of your subject indexing process? Or do you employ Named-entity Recognition, or Natural Language Processing, in a smart way? How much AI goes into your discovery and recommendation services? Maybe you don't have full-fledged programs in production - but perhaps you have run a pilot? Tell us how it worked out (or worked not). Or if you're planning a project, make your case and lay out a framework for engaged reactions and advice.

We would like to hear about:

- Machine learning
- Automated reading
- Automated abstracting and indexing
- Use of predictive algorithms
- Use of automated semantic science entities
- Linked science automation
- Recommending systems

Robots, Hardware

The Internet of Things (IoT) can be divided in two broad categories: 1) information and analysis, 2) automation and control.

In information and analysis category, there are the following types of applications:

- Tracking behavior
- Enhanced situational awareness
- Sensor-driven decision analytics

For automation and control, we can describe the following types of applications:

- Process optimization
- Optimized resource consumption
- Complex autonomous systems

Some of the potential areas for implementation of IoT in libraries include the following:

- RFID (Libraries already use RFID technology for self checkout, but it can be used for information sharing also),
- popular aisles (pressure pads under the floor can collect data about people standing, so we can extract statistics about how popular some study areas are),
- library wearable's (for example, library card or a wrist band could hold all the information about a person, give access to computers, reading history etc),
- beacons (they can be used to locate people in the library and give personalized info based on their personal interests and current location),
- mobile payments, ticketing and event registration (these devices will be able to tell users about overdue books and how much fine they owe to the library, to enable them return the overdue books and pay the fine online without needing to stand in a queue in the library).

We would like to hear you talk about:

- Which hardware tools are entering your library?
- In what way these devices can work autonomous and make "intelligent" decisions?
- How do these machines change the library environment and what new tasks -unlike tasks that required a lot of manual labor in the past- are possible?

Call for proposals

Presentations ELAG 2017

ELAG 2017 Conference presentations 7-9 June 2017, Athens, Greece

Are you proud of the work you have been doing? Do you think you know stuff you should share? Do you have a great idea? Are you able to teach your colleagues something? Make yourself heard by doing a presentation at Elag 2017!

The theme that was chosen for this year's conference is 'Automation'. Over the last years, library automation was very focused on data treatment and end user interfaces. These are still very important fields of interest and we welcome interesting presentation and workshop proposals in these fields. But this year we would like to focus a bit more on library workflows. More focus on library back office activities. Especially for back office activities that support a modern library. So this can go from using 'intelligent' devices in libraries to processing and using user activity logs in library back office processes. I hope you are just excited about this theme as we are.

We hope this quite general theme will inspire you to present your thoughts and work.

Workshops ELAG 2017

ELAG 2017 workshops, 7-9 June 2017, Athens, Greece

Would you like to lead a stimulating discussion with a group of library technologists? Do you prefer encouraging audience participation rather giving a formal lecture? Do you have a specific area of expertise that you would like to discuss with like-minded colleagues?

Then lead a workshop during ELAG 2017!

Workshops are a unique feature and an important part of the ELAG conference. They give participants an opportunity to acquire new skills, enhance their knowledge and get a more in-depth view of a specific topic.

The keyword for ELAG conferences is participation, so ELAG workshops strive to be interactive, hands-on and solution-based in order to draw from the experience and knowledge of participants and produce useful advances, solutions or recommendations for the library community.

A workshop leader will have a good grasp or some experience of the subject, but it is not necessary to be a top expert in the field (though in the past many renowned experts have run ELAG workshops).

Last year we had workshops on linked open data, extending discovery interface, wiki data, Fedora and more.

A good workshop leader will present a topic and then stimulate discussion and exchange of views and experiences rather than lecture.

Elag participants take part in 1 workshop per conference. There will usually be two time slots during the first two days of the conference. This way, people will spend about 4 hours in a workshop. On the third conference day, all workshops will present their results.

Pre-Conference Bootcamps ELAG 2017

ELAG 2017 Bootcamps 6 June 2017, Athens, Greece

Are you a library hacker who has found new ways to leverage library data to build 21st century services? Are you a systems implementer boosting productivity by rapidly building innovative applications? Do you think you've found a better way to create or deliver information to your library users?

A series of optional Bootcamps offer ELAG participants the opportunity to learn new skills or enhance their knowledge on specific topics related to library technology. These Bootcamps provide participants a way to learn from experts and veterans in a particular field. Hands-on and fast-paced, these Bootcamps give a primer on the most up-to-date practices in library automation and provide insights into new, upcoming technologies. Bootcamp leaders have the opportunity to present their work, test their applications in new contexts and find collaboration partners.

Please share your expertise, show what you can do, and meet with other library enthusiasts.

Bootcamps have a duration of 1 day and will be held on the day before the Elag conference.

Last year's event saw lively discussions and developments on topics such as Jupyter notebooks, command line tools, building integrated discovery indexes and JPEG 2000.

Proposal Information

Guidelines for Pre-conference Bootcamps, Presentations & Workshops	https://elag.org/category/guidelines/
Proposals* should be sent to:	Peter van Boheemen, Chair of the ELAG 2017 Program Committee peter.vanboheemen@wur.nl
Deadline for proposals	February 5th, 2017
Acceptance Notifications	March 1st, 2017

* All proposals will be reviewed by the ELAG 2017 Program Committee

Important Dates

November 9, 2016	Call for proposals
December 20, 2016	Early Registration opens
February 5, 2017	Deadline for Pre-Conference Bootcamp, Workshops and Presentation proposals submission
March 1, 2017	Acceptance Notifications will be sent out
March 17, 2017	Final program available
April 3, 2017	Email reminder to participants
April 21, 2017	End of Early Registration
June 6-9, 2017	ELAG 2017 Conference

Conference Registration Fees

	Early Registration until April 21, 2017	Standard Registration until June 2, 2017
Full Rate (Conference and Workshops)*	300 EUR	350 EUR
Students**	150 EUR	200 EUR
Bootcamps***	50 EUR	50 EUR
Additional Dinner Ticket	50 EUR	50 EUR

* Full conference access (presentations and workshops), conference material, access to welcome event, coffee and lunch breaks and conference dinner.

** Full conference access for presentations only, access to workshops based on availability, access to welcome event, coffee and lunch breaks (proof of student identification is required with registration).

*** Bootcamps will be held on the first day of the conference (6th June).

Express of interest is required to attend workshops and bootcamps.

Payment Methods & Accommodation

Conference Registration and Payment must be completed through our electronic system. Payment will be available via credit card (Visa, MasterCard, Maestro), bank transfer and cash payment on site. Please e-mail proof of payment to secretariat@elag2017.org, in order to complete your registration ([click here](#)).

For accommodation information, please use the following link [click here](#)

Committees

ELAG 2017 Program Committee

Dr. P.J.C. van Boheemen, ITIS - Team Research & Library, FB – Information Technology, Wageningen University & Research, Netherlands

Rurik Thomas Greenall, Principal engineer, Computas, Norway

Lukas Koster, Library Systems Coordinator, Library and Information Systems Department Digital Services division, Library of the University of Amsterdam, Netherlands

Patrick Hochstenbach, Digital Architect, Ghent University Library, Belgium

Knut Anton Bäckman, Library Systems Consultant, The Royal Library, Copenhagen University Library, Denmark

Mace Ojala, University of Tampere, School of Information Sciences, Finland

Roy Gundersen, Bibsys, Norway

Till Kinstler, Head Office of the Common Library Network, Germany

Vitali Peil, Deputy Head of University Library, Bielefeld University, Germany

Jordi Pallarès, Lib. Apls. Documentary Expert, CSUC, Barcelona, Catalunya, Spain

ELAG 2017 Local Organizing Committee

President of the Local Organizing Committee

Nikolaos Mitrou, Professor, School of Electrical Engineering, NTUA HEAL-Link Branch Coordinator, Athens, Greece

Coordinator of the Local Organizing Committee

Dimitrios Kouis, NTUA HEAL-Link Branch Technical Coordinator, Athens, Greece

Members of the Local Organizing Committee

Filippos Tsimpoglou, Director General, National Library of Greece

Giorgos Giannakopoulos, Professor, Department of Library Science and Information Systems, TEI of Athens, Greece

Stavroula Kouri, Head, NTUA Central Library

Dionisios Kokkinos, Librarian, Digital Collections, NTUA Central Library

Conference Management and Support

Cleopatra Anastasiou, Financial Manager, NTUA HEAL-Link Branch, Athens, Greece

Christina Anastasopoulou, Librarian, NTUA Central Library, Athens, Greece

Stavroula Christaki, Operation Manager, NTUA HEAL-Link Branch, Athens, Greece

George Veranis, IT Manager, NTUA HEAL-Link Branch, Athens, Greece

Vassilis Kalavrouziotis, IT Support, NTUA HEAL-Link Branch, Athens, Greece

Dimitrios Spanos, IT Support, NTUA HEAL-Link Branch, Athens, Greece

Matina Koutsileou, Digital Publications Support, NTUA HEAL-Link Branch, Athens, Greece

Rozita Tampakopoulou, Digital Publications Support, NTUA HEAL-Link Branch, Athens, Greece

Sponsorship

We would like to invite you for a sponsorship opportunity in the next ELAG Conference, which we are honored to host in Greece. The 41st ELAG Conference 2017 will take place in Athens, at the National Technical University of Athens, from 6th to 9th June 2017 and it is being co-organized by the National Technical University of Athens, the National Library of Greece, the TEI Athens and the Hellenic Academic Libraries Link. Approximately 150-200 librarians and IT professionals from around the world are expected to participate.

Participating as a sponsor is an ideal way to demonstrate your company's commitment to the field of IT and Library automation and to publicize this support to many leaders and students in the field both local and international. Moreover financial support by established private and public organizations of our country will help to maintain the high level of the conference, as well as permitting a greater number of students and researchers, both Greek and foreign, to attend by having a reasonable registration fee.

ELAG 2017 is offering two types of sponsorship opportunities: standard and special. Following is a list of benefits and costs:

Standard Sponsorship Opportunity - € 1,500:

- Acknowledgments in all conference publications, press releases and communication materials (conference program, conference poster);
- Logo on the conference website (following the conference banner*);
- 1 free Conference Registration and 1 free invitation for the Conference Dinner;
- Logo presented in the venues of the conference sessions;
- Logo on the conference bag;

- Possibility to include company leaflets into the Conference bags;

Special Sponsorship Opportunity - € 3,000:

- Acknowledgments in all conference publications, press releases and communication materials (conference program, conference poster);
- Company presentation during a special conference session for sponsors (The presentations will be held outside of the regular conference program, and each should last a maximum of 30 minutes);
- Logo on the conference website (following the conference banner*);
- Exhibitor stand;
- 2 free Conference Registrations and 2 free invitations for the Conference Dinner;
- Distinctive Logo presented in the venues of the conference sessions;
- Logo on the conference bag;
- Possibility to include company leaflets into the Conference bags;

* Note: the appearance and size of the logo will depend on the sponsorship opportunity.

Sponsorships at lower levels will be considered too.

For more information regarding the conference main theme and sub-themes, please visit the conference website at www.elag2017.org In case you have any questions concerning sponsorship opportunities, please do not hesitate to contact the Conference Secretariat via email at secretariat@elag2017.org or by calling at (210)772-4483, 4484, and 4486.

We would like to thank you in advance and we hope to hear from you soon!



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