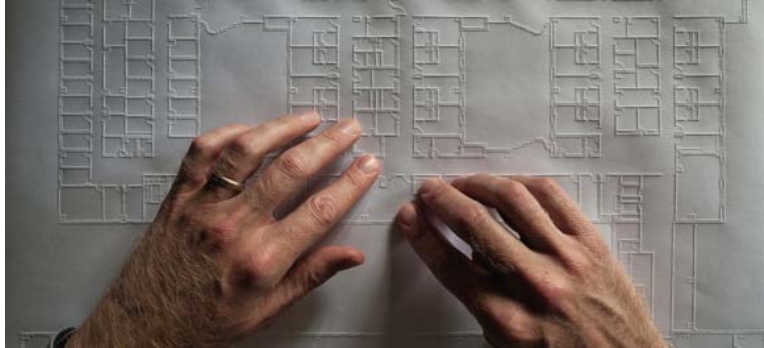
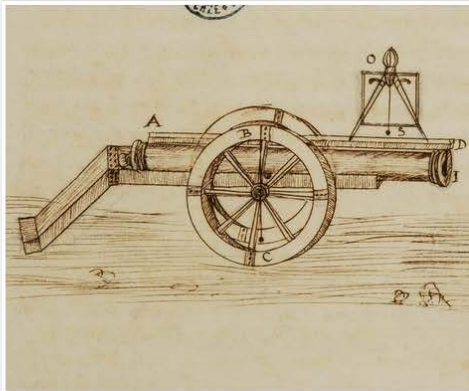


# شروط أو مواصفات للتيسير على أصحاب القدرات الخاصة





## Treatise on Architectural Design


Listen to this page

A rare survival from the 16th century, this working notebook of the Italian architect and sculptor Bartolomeo Ammannati (1511–92) contains designs for and textual descriptions of fortifications, systems of measurement, preparatory drawings for busts and other sculptures, and a lengthy text on the elements of **architectural** expression. Ammannati trained with Baccio Bandinelli in Florence and had commissions in Venice, Padua, Urbino, Naples and Rome, in addition to the work he did for Grand-Duke of Tuscany Cosimo I de' Medici (1519–74) in his hometown of Florence. The 114 folio leaves of the notebook are filled with sketches, half-completed ornamental designs, compositions for sculptures, and **architectural** renderings of facades, doorways, and window treatments. Among the noteworthy items in the notebook are drawings of the fireplace for the great room of Leo X in the Palazzo Vecchio and a design for the bust of Cosimo I. The texts are in Italian, written in a clear hand.



Other items from this partner (Riccardiana Library of Florence)

### Similar Items

 Pitti Palace, Royal Residence, Florence, Italy

 Treatise on Field Fortifications

 Three Books on Life

 Bible of Borso d'Este

### Author

[Ammannati, Bartolomeo, 1511-1592](#)

### Date Created

[Around 1511 CE - 1592 CE](#)

### Subject Date

[Around 1511 CE - 1592 CE](#)

### Language

القراءة بالعين والأذن للمستخدمين لتيسير الاستفادة من المحتوى

### Settings

Reading Listen

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Slow  Medium  Fast

**Highlighting**

**Text highlighting** ⓘ

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Word and sentence

**Word color** ⓘ

Green  Blue  Yellow  White  Black  Red  Underline  None

**Sentence color** ⓘ

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**Text color** ⓘ

Green  Blue  Yellow  White  Black  Light Blue

**Enhanced text visibility** ⓘ

On  Off

**General**

**Automatic scrolling** ⓘ

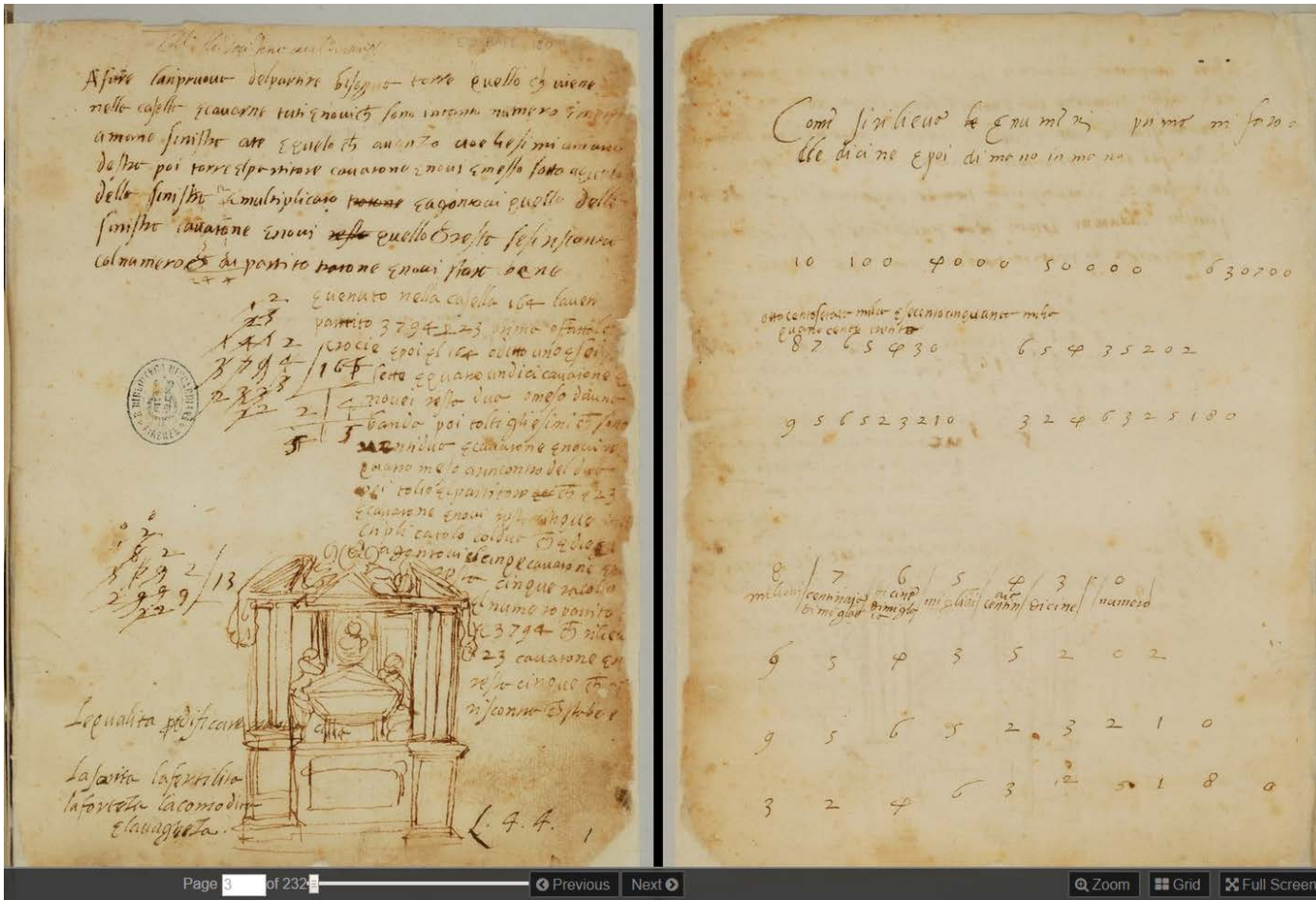
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**Pop-up button** ⓘ

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القراءة بالعين للمستخدمين وفق طريقة العرض المناسبة

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# هل يمكن أن تصل قضايا السيمتية (مرآة الكون) عند مقارنة الواقع المادي بالواقع الافتراضي؟



## برامج جامعية وشهادات علمية في مجال معمار المعلومات، وسوق عالمي للتوظيف.

معارف ومهارات معاري المعلومات: تطوير وتطبيق آليات ضبط المفردات (التصنيف الآلية – مبادئ التفاعل بين الإنسان والحاسب الآلي وسهولة الإستخدام) – تحليل النظم وتصميمها – إدارة المشروعات. تضافر مجموعة من الخبراء في مجالات: الاتصالات وعلوم الكمبيوتر والصحافة والإعلام، علوم المكتبات والمعلومات، الإدارة ونظم المعلومات وتصميم الاتصالات البصرية.

# برامج جامعية وشهادات علمية في مجال معمار المعلومات, وسوق عالمي للتوظيف

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## Degrees & Certificates

Computer Science

Informatics

Information & Library Science

Master of Information Science

Master of Library Science

Dual Degrees & Specializations

Specialist in Library & Information Science

PhD in Information Science

Certifications

Graduate Non-Degree

Data Science

## GRADUATE

### Information Architecture Specialization in Master of Information Science

When you specialize in information architecture, you will gain the skills to structure and label online data to make it easier to use and enhance user experience.

This specialization will prepare you to work as an information architect in both the private and public sectors.

The specialization will appear on your transcript.

#### Requirements (Minimum 36 Credit Hours)

##### M.I.S. Requirements (18 cr.)

- M.I.S. Foundation Requirements (18 cr.)

You must also complete the digital literacy requirement.

##### Specialization Requirements (18 cr.)

Z690 Capstone in Information Architecture (3 cr.)

Plus 15 credit hours from the following list:

- Z503 Representation and Organization
- Z512 Information Systems Design
- Z516 Evaluation of Information Systems

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Home > Graduate > Degrees & Certificates > Information & Library Science > Certifications > Graduate Certificate in Information Architecture > Graduate Certificate in Information Architecture Requirements

## Degrees & Certificates

Computer Science

Informatics

Information & Library Science

Master of Information Science

Master of Library Science

Dual Degrees & Specializations

Specialist in Library & Information Science

PhD in Information Science

Certifications

Graduate Certificate in Information Architecture

## GRADUATE

### Graduate Certificate in Information Architecture Requirements

The professional role of the information architect encompasses project management and the organization of work flows within a team-based approach to the design of information structures. The information architect is ultimately responsible for identifying the rationale and long-term objective(s) underlying the organization of a collection of data resources; for setting functional specifications and content requirements that address current and future objectives of the collection; for designing the structural organization of the collection, including its category structure and labeling scheme or controlled vocabulary; for mapping navigation pathways and information flows within the collection; and for determining the metrics that will be used to measure the success of the resulting structure.

Students must complete 18 graduate credit hours; credits counted toward another degree may not be applied toward the Certificate.

If a student has completed equivalent graduate coursework in one or more of the required content areas prior to admission to the program, [or the course has not been offered while the student is completing the Certificate,] this coursework may be applied to satisfy content requirements for the certificate.

#### Required courses:

- Z512 - Information Systems Design (3 cr.)
- Z515 - Information Architecture (3 cr.)
- Z516 - Human-Computer Interaction (3 cr.)



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# INFORMATION ARCHITECTURE



## INFORMATION ARCHITECTURE

The master's programme in Information Architecture at Aalborg University, Denmark, focuses on communication and interaction through websites, social networks, portals and e-learning systems.

You will learn to design, developed and analyse information systems, while understanding the user, the context

### MORE ABOUT THE PROGRAMME

- ACADEMIC CONTENT >
- TRAINEESHIP - STUDY ABROAD >
- JOB AND CAREER >
- APPLICATION AND REQUIREMENTS >
- CONTACT & STUDENT GUIDANCE >

### FACTS ABOUT THE PROGRAMME

ALTERNATIVE TITLE  
Informationsarkitektur

LANGUAGE  
English

CITY  
• Aalborg

- ADMISSION REQUIREMENTS >
- SEE THE CURRICULUM >

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INFORMATIONS PRATIQUES

Master Labellisé Université de Lyon, porté conjointement par ENS de Lyon et ENSsib

Avec le soutien de :

Présentation du master sur Campus Channel par Benoît Habert et Ghita Benotmane, 18 décembre 2014



Interviews

Rencontre avec Jean-Michel Salaun  
Responsable pédagogique du master Architecture de l'information

### Bienvenue sur le site du Master Architecture de l'information

Une formation innovante pour concevoir, préparer, organiser, présenter l'information aux utilisateurs dans un environnement numérique, interactif et mobile!

On compte aujourd'hui plus d'un milliard de sites web et applications mobiles. Nous accédons aux ressources à partir de terminaux variés (ordinateurs, téléphones intelligents, tablettes) au travers d'outils divers (moteurs, réseaux sociaux, blogues, tweets... ou même directement). Dans un environnement aussi compétitif, la fidélité de l'internaute à une interface ou à une ressource dépend en grande partie de l'expérience de sa visite : a-t-il trouvé facilement l'information qu'il cherchait ? S'est-il senti immédiatement familier avec l'interface proposée ? Sera-t-il incité à y retourner ?

Il est aujourd'hui indispensable, pour des sites web riches en contenus, des sites de grandes institutions, à but lucratif ou non, pour leurs besoins internes comme leur communication externe, de faire appel à des spécialistes de l'organisation et du repérage de l'information, de même qu'à des spécialistes de l'expérience utilisateur. Ces deux domaines d'expertise convergent vers un même objectif : garantir un accès intuitif et facile au contenu, pour l'utilisateur d'une ressource web (ou, plus généralement, de tout système d'information).

On appelle les professionnels détenant ces expertises des Architectes de l'Information.

A la rentrée 2012, IENS de Lyon a ouvert un master en Architecture de l'Information. Le master a été cohabilité avec l'université Claude Bernard Lyon 1 et l'Ecole nationale supérieure des sciences de l'information et des bibliothèques à la rentrée 2014. Il a été labellisé par l'Université de Lyon.

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## LEWIS COLLEGE OF HUMAN SCIENCES

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## Master of Science in Information Architecture (IARC)

The M.S. in Information Architecture (IARC) will prepare you to structure and deliver information for the best possible user experiences across desktop and mobile technologies.

In the IARC program, you will connect the components of information structure that users rarely see directly, such as databases and data serialization formats, to a theoretically rich, interdisciplinary foundation in user-facing design of information, as well as the deeper structures of databases and data-serialization formats.

IIT Information Architecture students come from a range of disciplinary backgrounds, including design, English, and library science, which will provide you with a vibrant community and classroom discussions informed by a variety of perspectives.

### Program at a glance

The Information Architecture program at IIT is a total of 33 credit hours. Students attending full time (9 credit hours per semester) typically complete the MS/IARC degree in 2 years. Part-time students (3-6 credit hours per semester) regularly finish in under 3 years.

IARC Core (18 hours)  
Electives (at least 12 hours)  
Project or Thesis (at least 3 hours)

If you will be preparing for a career in industry, you are encouraged to take the project option. If you have the intention of preparing for a Ph.D., the thesis option is encouraged.

Search Lewis College

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  - GRADUATE PROGRAMS
    - **MASTER OF SCIENCE IN INFORMATION ARCHITECTURE (IARC)**
      - REQUIREMENTS
    - + MASTER OF SCIENCE IN TECHNICAL COMMUNICATION AND INFORMATION DESIGN (TCID)
    - + PH.D. IN TECHNICAL COMMUNICATION (TECH)
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Home > Programs > Master of Science in Information > Career pathways > Pathway to Success: Information Architect

### Programs

Bachelor of Science in Information

Master of Science in Information

Program overview

Why choose UMSI?

Admissions

Specializations

Degree components

Funding your degree

Student groups

Career pathways

Academic Librarian

Business Archivist

Business/IT Analyst

College/University Archivist

Database/Systems Analyst

Digital Archivist

## Pathway to Success: Information Architect

### UMSI Courses

Fulfill all [MSI requirements](#). Recommended course options include:

- [539: Design of Complex Websites](#)
- [551: Behavior and Experience of Information Users](#)
- [561: Natural Language Processing](#)
- [582: Introduction to Interaction Design](#)
- [608: Networks](#)
- [622: Needs Assessment and Usability Evaluation](#)
- [658: Information Architecture](#)
- [666: Organization of Information Resources](#)

### U-M Cognates

Take six credits outside of UMSI from U-M's wealth of offerings, such as:

- [Business IT 578: Human Interface to IT](#)
- [Elect. Eng. & CS 557: Communication Networks](#)
- [Elect. Eng. & CS 592: Advanced AI](#)
- [Elect. Eng. & CS 593: Introduction to Adaptive Systems](#)

### Field Internships & Experience

Sites where UMSI students have recently completed relevant internships include:

- [Diamond Bullet, Ann Arbor, MI](#)
- [Enlighten, Ann Arbor, MI](#)
- [Ericsson, New York, NY](#)
- [Gale Group, Farmington Hills, MI](#)
- [Hewlett-Packard, Palo Alto, CA](#)
- [Intel, Folsom, CA](#)

# Yale Gordon College of Arts and Sciences

## M.S. in Interaction Design and Information Architecture

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Admission Requirements

Degree Requirements

Thesis Information

Course Descriptions

Faculty

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### Next steps:

- Apply now.
- Learn more about admission.
- View the schedule of classes.
- Consult the catalog.

### Graduate with this master's degree, and find yourself in high demand: Our contacts in the field tell us, we can't turn out graduates fast enough.

What's more, you can also complete this program **entirely online**, allowing you to access classes from home, work or anywhere with an Internet connection. [Contact us](#) for additional information about the requirements for this option.

This 36-credit Master of Science program emphasizes the **design, development and application** of significant information technologies to satisfy human needs and desires. Imagine, design and build interactive systems to address needs and interests that humankind is only beginning to recognize.

#### How the program works:

- **You'll integrate** elements of computer science with humanities and arts perspectives, developing in-demand skills that that companies and organizations are avidly seeking.
- **Your professors**, many of whom are managing active research projects, will expose you to cutting-edge topics and encourage you to present your own work at national conferences.
- **You'll apply** advanced technologies in the context of the human experience, learning the skills required for this field's most sought-after careers:
  - information architect
  - interaction designer
  - multimedia developer
  - user researcher



“ During my enrollment at a nearby graduate school, I discovered a journal article that recommended UB's Interaction Design and Information Architecture program as something more catered to my career and academic interests. I transferred to UB, and after one semester, the IDIA program proved that the article's recommendation was truly deserved. I couldn't have imagined a smoother transition or a better graduate program for me.  
— Shani Matthews

”

## Careers at CERN

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### e-Infrastructures:THOR

Open Science Information Architect (THOR Project)

The THOR project is a cooperation of CERN, the British Library, ORCID, DataCite, Dryad, EMBL-EBI, PANGAEA, the Australian National Data Service, PLoS and Elsevier. THOR builds on the DataCite and ORCID initiatives to uniquely identify scholarly artefacts (such as data) and attribute them to researchers through 'persistent identifiers' (PIDs). The project is completing arrangements for financing by the European Commission under the Horizon 2020 Program, is expected to start in June 2015 and last 30 months.

THOR project partners aim to make research work better and support Open Science by, facilitating attribution, discovery and re-use of scientific artefacts, and deploy enhanced metrics to assess their impact. Services will be designed and delivered both in general across the ORCID and DataCite infrastructures, in partnership with data repository (Dryad, ANDS) and emerging publishers' solutions (PLoS, Elsevier), and through concrete examples in High-Energy Physics (at CERN), Humanities and Social Sciences (at the British Library), Life Sciences (at EBI) and Geosciences (at PANGAEA).

CERN participates to THOR through the Scientific Information Service within the General Infrastructure Services Department. CERN is seeking an Information Architect with a background either in Computer Science or in Library and Information Science to take a leading role in THOR.

**Job Reference:** FELL-EINFRA-THOR-1

**Publication date:**

30/03/2015

**Closing date:**

23/04/2015

**Role Description**

The successful candidate will take responsibility for designing and delivering Open Science services for the High-Energy Physics community. These services will be based on the opportunity to uniquely identify scholarly artefacts in the field (such as data, but also software) across several platforms through DataCite DOI persistent identifiers, and attribute them uniquely to researchers by using the ORCID services.

R&D activity will be a collaborative endeavor with all THOR partners, while paying attention to specific requirements of the High-Energy Physics community. Services and solutions will be implemented through a suite of existing CERN platforms: mostly the INSPIRE digital library ([inspirehep.net](http://inspirehep.net)), as well as the CERN Open Data Portal ([opendata.cern.ch](http://opendata.cern.ch)) and the planned CERN Analysis Preservation Framework ([analysis-preservation.cern.ch](http://analysis-preservation.cern.ch)). All these platforms are based on the Invenio digital library technology, and are part of the CERN Open Science framework.

**Professional Category:**

None (non staff programmes)

**Career Level**

Graduates

**Number of Posts:**

1

[Apply!](#)

e-Infrastructures البني المعلوماتية الإلكترونية

للمختبر الأوروبي للأبحاث النووية

يعلن عن وظيفة

معماري المعلومات العلمية المفتوحة

# شروط التقدم لوظيفة معماري المعلومات العلمية المفتوحة

## Eligibility conditions

We are looking for an Open Science Information Architect, with either a Computer Science or a Library and Information Science background and a MSc or higher diploma and with less than 10 years professional experience after the MSc including any Doctoral studies.

### Experience and qualification for candidates with a Computer Science background:

- MSc or PhD in Computer Science or equivalent.
- Experience in designing complex information architectures; preferably in a research environment.
- Experience in developing in a LAMP (Linux, Apache, MySQL, Python) stack; familiarity with git or similar distributed version-control system; desirably in a production environment.
- Interest in user-centric development and current usability challenges.
- An understanding of how scientists work and current challenges in Open Science.
- Work experience in an agile software development environment is an asset.
- First-hand experience in developing services for the research community is an important asset.

or

### Experience and qualification for candidates with a Library and Information Science background:

- MSc or PhD in Library and Information Science or equivalent.
- First-hand experience in developing services for the research community, and in particular data management and/or data publishing workflows.
- An understanding of how scientists work and current challenges in Open Science.
- Work experience in an agile project management environment is an asset.
- Interest and experience in usability studies are an asset.



## Open Science

البيانات المفتوحة

المصادر المفتوحة

المناهج المفتوحة

مراجعات الأقران المفتوحة

الإتاحة المفتوحة

المصادر التعليمية المفتوحة

Open Data

Open Source

Open Methodology

Open Peer Review

Open Access

Open Educational  
Resources

**العلم المفتوح:** هو حركة لجعل البحث العلمي، والبيانات وبنها في متناول جميع مستويات الاستفسار للمجتمع سواء الهواة أو المحترفين. وهو يشمل العديد من الممارسات مثل: نشر البحوث المفتوحة، دعم حملة من أجل الوصول المفتوح، وتشجيع العلماء للممارسة Open Notebook Science، وبصفة عامة تيسير إجراءات النشر والتواصل بالمعرفة العلمية.

# ONSChallenge

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- [Pages and Files](#)
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- [collaborations](#)
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- [award winners](#)
- [judges](#)
- [general comments](#)
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## Open Notebook Science Challenge



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A Johnson Matthey Company

**RSC** | Advancing the  
Chemical Sciences

### Sponsors of previous challenges



### [RSC Open Notebook Science Awards - Apply Here](#)

#### What?

The first round of this challenge calls upon people with access to materials and equipment to measure the solubility of compounds (aldehydes, amines and carboxylic acids are a priority) in organic solvents and report their findings using [Open Notebook Science](#). (View the [cumulative list of results](#) or as a [web query interface](#) (courtesy of Rajarshi Guha) or in a [book format](#). Note: some of these values may be approximate - see respective notebook pages to ascertain assumptions and methods.)

#### Why?

Understanding **exactly how** an experiment was performed is essential to the efficient progress of science. There are no absolute facts in the scientific literature; every measurement reported is only meaningful within the full context of how it was generated. The purpose of a laboratory notebook is to report as much of this context as is reasonable. But to find trends data must be abstracted to a level where they can be manipulated in tables and charts. This is not a problem as long as one can drill down from each data point in a chart to the full context found in the laboratory notebook.

For example, a Google search for "[vanillin solubility in THF](#)" pulls up a lab book page [EXP207](#) where it is reported to be 3.89M. This number might be used in a table of someone trying to quantify trends or test a mathematical model, in which case reliability of the number is important. By reading the lab notebook page it becomes clear that 118.5 mg of solid was measured on a scale with 0.1 mg accuracy. However only one measurement was obtained. All kinds of other details which might be important are provided, for example how long the mixture was vortexed, at what temperature and the [physical appearance after evaporation](#). If this number turns out to be an outlier, one can investigate if a calculation error was the cause by inspecting the [linked spreadsheet](#).

# 6

## العرض المرئي للمعلومات، Information Visualization، ورسم البيانات والمعلومات Infographic.

معارف ومهارات معماري المعلومات: تطوير وتطبيق آليات ضبط المفردات (التصانيف الآلية – مبادئ التفاعل بين الإنسان والحاسب الآلي وسهولة الإستخدام) – تحليل النظم وتصميمها – إدارة المشروعات. تضافر مجموعة من الخبراء في مجالات: الاتصالات وعلوم الكمبيوتر والصحافة والإعلام، علوم المكتبات والمعلومات، الإدارة ونظم المعلومات وتصميم الاتصالات البصرية.



# 10 Free Tools To Create Visually Appealing Infographics

Infographics is the graphical representation of information or data. The information presented through Infographics is visually appealing and can be scanned easily. Furthermore, you can effectively represent relatively large amount of data in a very small space. Infographics are used to represent straight-forward and interesting data and /or the relation between two entities.

In this round up, we are presenting some free tools that you can use to create visually appealing and effective Infographics. With these tools, you can easily draw users' attention to a particular trend and let them understand the whole Infographics in a very short period of time. So, without any further ado, here is the complete list. Enjoy!

## Visual.ly

Visual.ly Create is the fastest, smartest and most beautiful approach to data visualization yet. Simply connect and click to produce an infographic in seconds.



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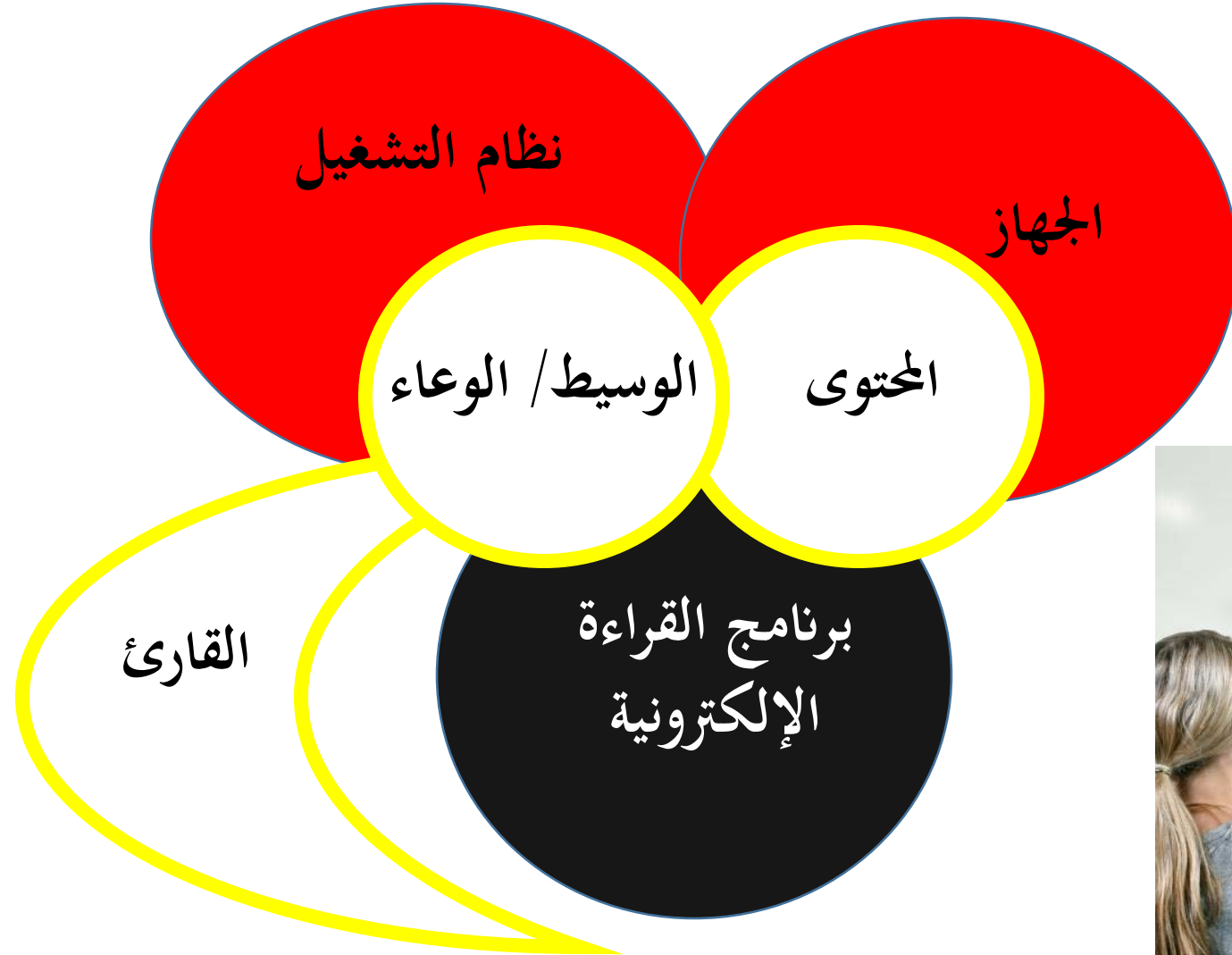
الإنفوجراففي

التمثيل بالرسم للبيانات والمعلومات





# مقومات نجاح مشروعات إدارة المحتوى الإلكتروني



# اللقاء في نقاط سريعة

1. **الجدور التاريخية** للإهتمام بالعناصر الجمالية وزخرفة الأعمال الفكرية المخطوطة والمباني.
2. **تنظيم الأنواع المختلفة للبيانات والمعلومات** و المعلومات المتاحة على مواقع الويب, ومستويات تنظيمها (البيانات والمعلومات الصحية نموذجاً)
3. **العمارة والفن المعماري ونشأة معمار المعلومات في البيئة الرقمية** من أجل إيصال محتوى سهل الفهم يتسم بالمتعة والقبول لدى القارئ, ويوفر آليات التفاعل والتواصل والمشاركة معه - **معمار المعلومات = العرض + التنظيم** - مجال تطبيق معمار المعلومات في البيئة الرقمية: المكتبات الرقمية، ومواقع الويب، وقواعد البيانات، ونظم استرجاع المعلومات، والبرمجيات التعليمية وحتى الألعاب.
4. **نماذج فعلية لعمارة المعلومات على مواقع على الإنترنت.**
5. **برامج جامعية وشهادات علمية في مجال معمار المعلومات**, وسوق عالمي للتوظيف - **معارف ومهارات معماري المعلومات**: تطوير وتطبيق آليات ضبط المفردات (التصانيف الآلية -مبادئ التفاعل بين الإنسان والحاسب الآلي وسهولة الإستخدام - تحليل النظم وتصميمها - إدارة المشروعات. تضافر مجموعة من الخبراء في مجالات: الاتصالات وعلوم الكمبيوتر والصحافة والإعلام، علوم المكتبات والمعلومات، الإدارة ونظم المعلومات وتصميم الاتصالات البصرية.
6. **الإنفوجرافي**: مجال جديد ودعوة للإبداع في عرض البيانات والمعلومات من خلال الرسوم والأشكال التوضيحية.

يسعدني التواصل لتحقيق المزيد من الفائدة

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