

HOW TO IMPROVE YOUR SCIENTIFIC CURRICULUM

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WHO I AM



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OPTICA Ambassador



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



Liquid Crystals

- Nematic
- Vertical Nematic
- Ferroelectric / Antiferroelectric

Other Materials

- Porous Silicon
- Polymers
- Carbon Nanotubes
-

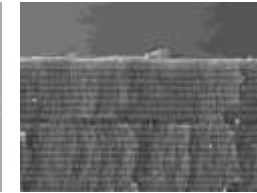
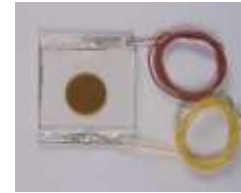
Optical Techniques

- Ellipsometry (VASE)
- Half Leaky Guided Mode
- SHG
- THz
- RAMAN



Devices

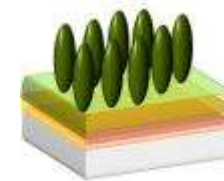
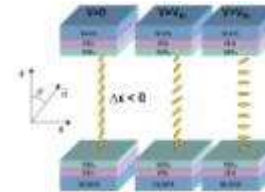
(some examples)



Porous Silicon
Liquid Crystal
infiltrated
microcavities



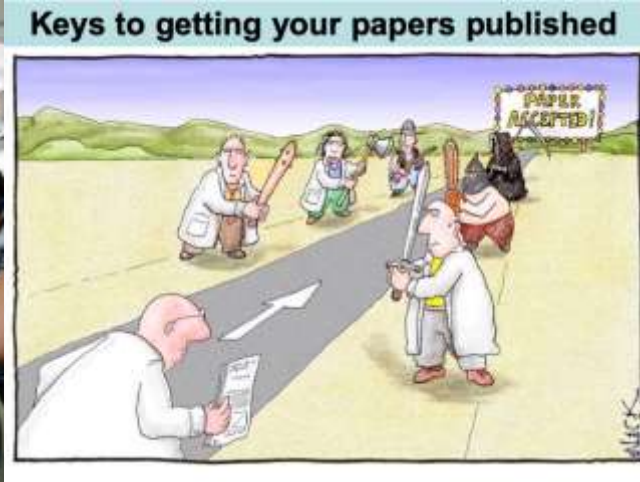
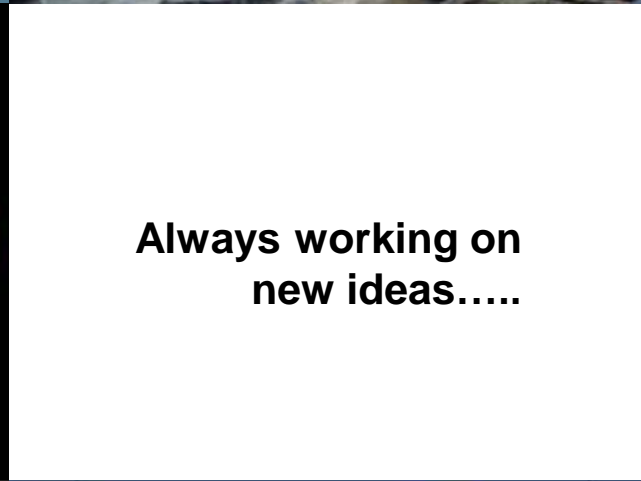
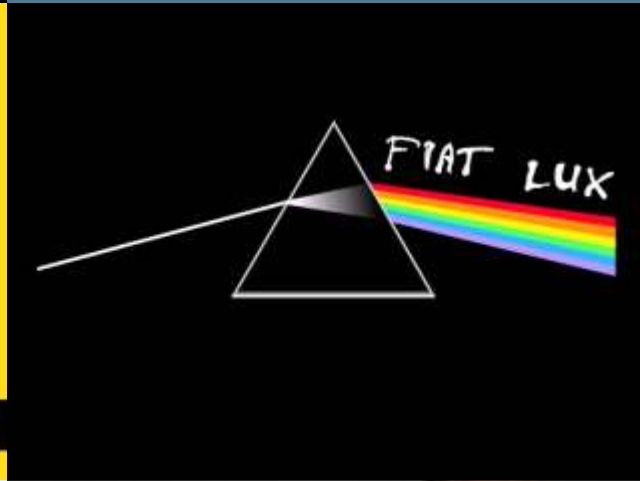
Periodic and
Quasi Periodic
LC + Polymer
structures



LC for
Display
Technology



Device Optical Analysis



CURRICULUM



Content may include the following



Work experience	Achievements Honors Awards		Personal details	
		Outreach	Education/ qualifications	
			Dates	Skills
References	Publications Patents	Contacts	Current studies	Other activities
		Career goal	Projects	
	Positions of responsibility		Research	
				Voluntary work

Why do this now?



- **Time will go by quickly**
- **It will help you organize important things for your future career**
- **Assists in setting goals for your future**
- **Helps when getting recommendation letters and applying for positions**
- **Some grants and awards applications require this**

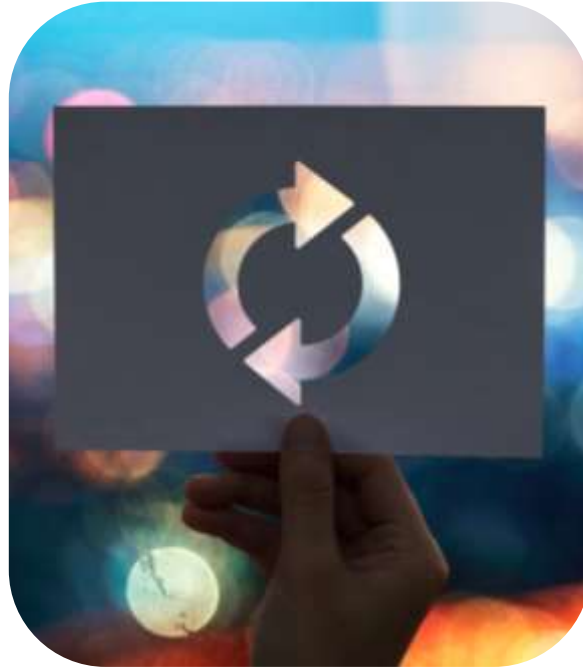
Stand out from the crowd!



REMARKS



**There is no “right way”
to do a CV**



**It is most important to
keep yours up-to-date**



**Get samples online or
from colleagues to help
you get started**



**Keep it professional
edit carefully
(no rush!)**

GENERAL SET-UP SUGGESTIONS

- Margins – 1” all around
- Use bolding and caps to have things stand out
- Number your pages
- No graphics
- Full name on every page
- Same font throughout (may vary sizing)
- Font size: 12 point best
- Regular paper when printed
- No underlining
- Single sided (sometimes)
- Date (be careful if it goes online)



5 Tips for a CV



Clear – well organized and logical

Concise – relevant and necessary

Complete – includes everything you need

Consistent – don't mix styles or fonts

Current – Up-to-date

What should be on a scientific CV?



Start with contact information

- Full name
- Permanent mailing address
- Phone number
- E-mail (institutional and/or address that won't expire)
- Phone numbers
- Optional
 - ⇒ Nationality
 - ⇒ Age
 - ⇒ Gender
 - ⇒ Photograph

Education

Honors and Awards

Professional Experience (employment)

Publications and presentations

Extracurricular and volunteer experience

Other sections for a CV



- **Certifications and licensure**
- **Professional affiliations**
- **Professional activities**
- **Research**
- **Projects**
- **Added qualifications**

Tips on Education section

- Most current schooling first (include your current educational work)
- Only include diploma distinctions
- Get the school's names correct!
- Degrees/certifications are what is important – not time spent
- List Thesis/Dissertation titles



Tips on Honors and Awards Section

- **List most recent first**
- **Honors/Award Title – then date received**
- **Go back to undergrad but not before**
- **Only academic or professional**
- **Scholarships count**



Tips on Professional Experience Section

- Includes anything you were paid to do or was extensive and regular volunteer work
- Only list items relevant to academic work
- List most recent first
- If listing research, include the lab and director/principle investigator



Tips on Extracurricular and Volunteer Experience



- List most recent first
- This tends to be a long list – careful!
- It is better to have long-term items or very relevant items instead of **EVERYTHING**
- Student organizations go here

Tips for Professional Section



AFFILIATIONS

- Only those current
- Most current first
- Include all dates of affiliation
- Note any leadership positions

ACTIVITIES

- Past and present
- Most current first
- Only those specific to academic/research
- Should be school or university sponsored
- Include your role

Tips for Research Section



- **List most current first**
- **Make sure you indicate others you worked with**
- **Include grant funds if obtained**
- **Briefly describe here**

Publications and Presentations Section



- Two options for listing
 - Most recent
 - Order of publication
- Always bold your name in authorship
- Include submitted and/or pending publications or presentations
- Presentations may be large or small but pertinent enough to talk about
- Have copies of your pubs and/or presentation for the life of your CV

Added Qualifications Section



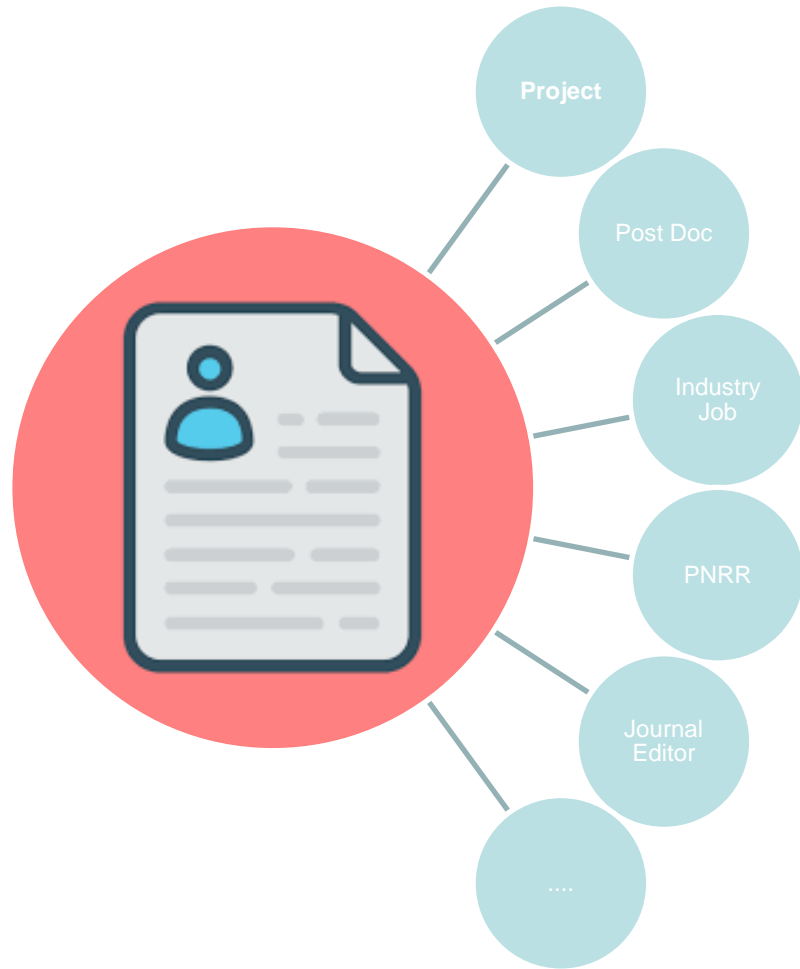
- **Should be verifiable**
- **Include language fluency**
- **Cultural knowledge – maybe. Especially if you have had hands-on experience**
- **Anything else special**

Resume vs. Vitae



	RESUME	CV
Length	Short	As long as it takes
Content	All-inclusive summary of skills, experiences and education	Area-specific listing of education and academic background
Purpose	to get an interview or employment	promotion and tenure, grants, specialist positions, awards, etc.

THE MAIN FILE



Proof-read



- **One obvious but often overlooked aspect of good CV writing is proof-reading for spelling, punctuation and other errors.**
- **CVs should be checked, drafted, re-drafted and then checked again.**
- **Make sure that your CV is the best document you possess. It could make all the difference to get you that interview!**



- **Use a standard font size in black ink.**
- **Include recent and relevant work experience (paid *or* voluntary).**
- **Be consistent in your layout.**
- **List your skills and achievements and back up with evidence.**
- **Keep it short if asked.**
- **Use positive action verbs such as “organised, delivered, accomplished, achieved”.**
- **Include a statement about your career aspirations and what you have to offer the employer.**
- **Be honest but positive (negatives can always be turned into positives).**
- **Proof-read for spelling, punctuation, grammar and meaning.**
- **Get someone to check it for you.**

DON'T



- Do it in a rush.
- Leave gaps in employment.
- Lie.
- Include irrelevant personal details such as marital status.
- Simply write a list of duties under work experience (remember you are selling yourself!).
- Use flashy or large font.

There is no single way to write a CV. It is *your* document and can be structured and presented as you wish within a basic framework.

The important thing to remember is that this is the *first impression* an employer will have of you. It is your marketing brochure through which you are trying to sell yourself.

SHORT BIO



How to Write a Short Bio About Yourself

Every small business owner should have a short, succinct bio that can be used for various purposes. The bio should be authoritative and positive, and should reflect your level of professional achievement and status. Write the bio in third-person rather than first-person, so the bio reads as informative, rather than self-serving.

Why Use a Short Bio?

Even if you have a well-structured resume, there are many times when a short bio will come in handy. For example:

As a brief executive profile for a website

As a career clip on your professional social networking sites

When you're speaking at an event, and the emcee requests a short bio to reference in your introduction

When you're being included in an event program or membership directory

When you author a paper or article and it includes a brief bio and photo

A short bio can range from one paragraph to a page. Many professionals have different lengths for different purposes.

What Should You Include?

Unlike a detailed resume or a CV, a short bio should encapsulate the professional information that you consider most vital. Consider the following structure:

Current position

Career highlights

Professional designations and education

Optional Tags (wrap-ups of choice, such as personal information or career objectives)

ONE PAGE RESUME



- **contact details**
- **a few sentences about your achievements and goals (personal statement)**
- **work experience**
- **skills**
- **education.**

EUROPASS CV





**REVIEW every
6 MONTHS**



TIME
will never be enough



Be consistent
Be dedicated



Share, speak, take ideas



Who are you?

**Practically perfect
in every way**





ONCE UPON A TIME...



PASSION AND PROFESSIONALISM



DO YOU NEED TO BE HERE?



If you are an “outlier” you can probably do what you like ...

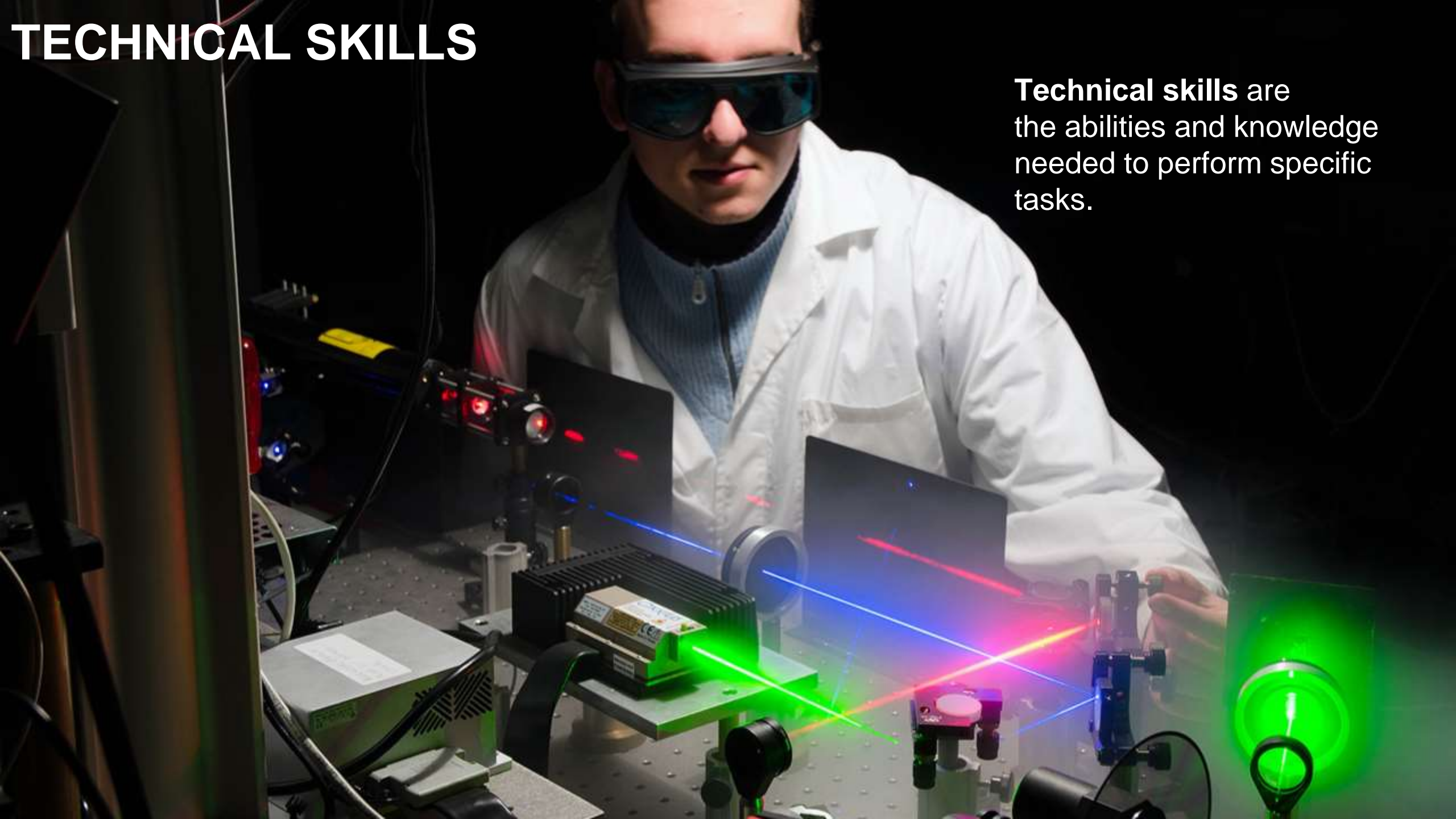


But if not

Technical skill is necessary but is not enough

TECHNICAL SKILLS

Technical skills are the abilities and knowledge needed to perform specific tasks.



SOFT SKILLS



Soft skills are skills able in all professions.

These include critical thinking, problem solving, public speaking, professional writing, teamwork, digital literacy, leadership, professional attitude, work ethic, career management and intercultural fluency.

While hard skills are specific to individual professions.

They enable people to achieve their goals with complementing hard skills.

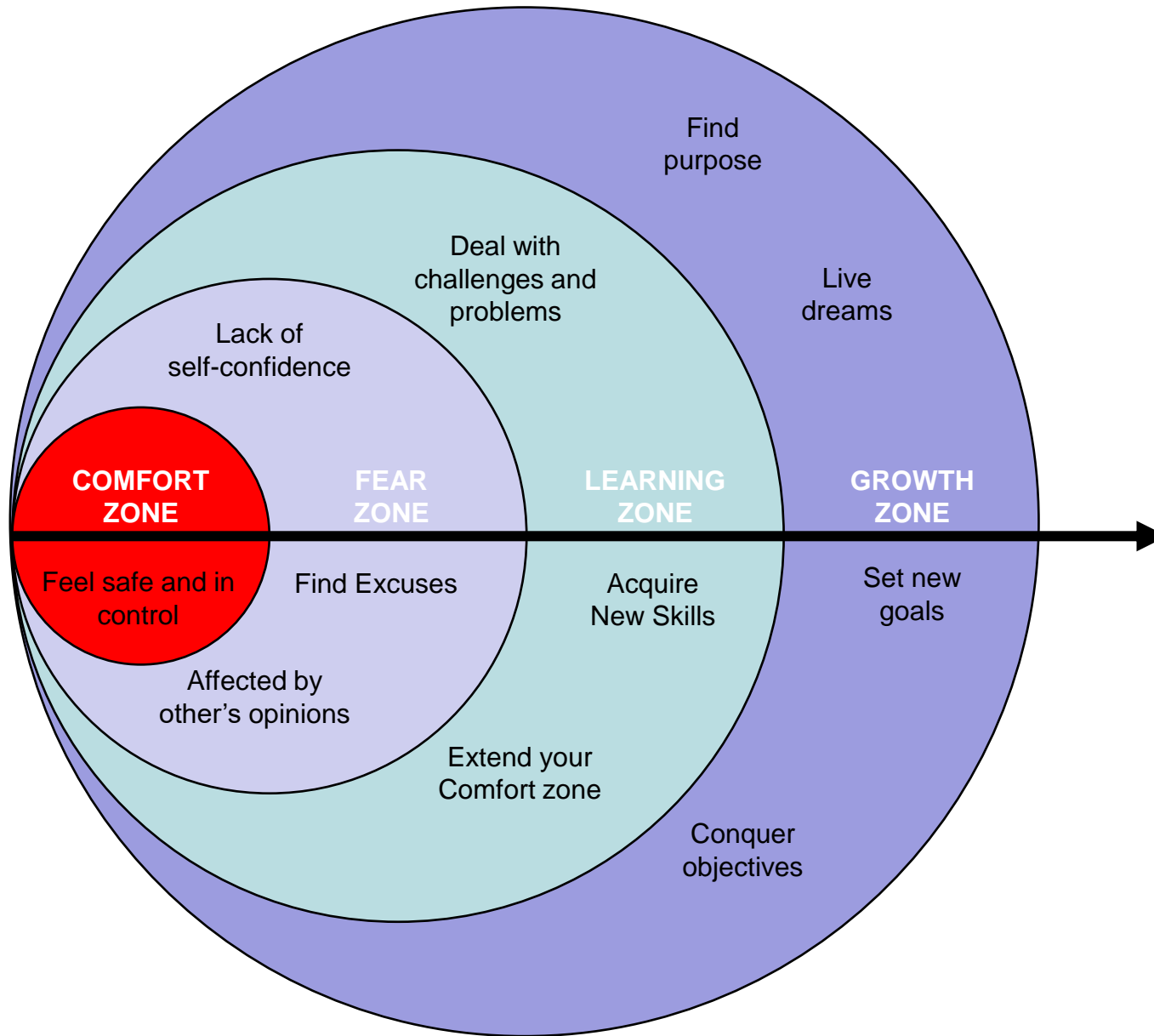
A CAREER IN SCIENCE REQUIRES....



A CAREER IN SCIENCE REQUIRES....



COMFORT ZONE



The comfort zone is a behavioral state within which a person operates in an anxiety-neutral condition, using a limited set of behaviors to deliver a steady level of performance, usually without a sense of risk.

Judith Bardwick, *Danger in the Comfort Zone* (1991)



Digital Reputation

about me

OSA 100
Arigone Mezza





COMMUNITY SEARCH

Enter search criteria...



- ABOUT US
- MEMBERSHIP
- DISTINCTIONS
- EVENTS
- SUPPORT
- EDUCATION
- PUBLICATIONS
- POLICY
- RESOURCES

Welcome to the EPS website. Created in 1968 the EPS is a not for profit association of physicists for physics.

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To the EPS Special Activity Fund



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The March for Science in France: a great success



Science around me: physics for all



LEAPS: devising a new era of accelerator-based photon science in Europe

Smallest X-ray laser in the world generates its first laser light

CERN and the American Physical Society sign an open access agreement for SCOAP3

MGDA and EPS Young Minds section in Morocco - converting Kerosene lamps

The May 2017 issue of e-EPS is out!

MY EPS

- » Profile Home
- » Manage Profile
- » Create Resumé/CV
- » Groups
- » Networks
- » Messages
- » Membership Info
- » Refer a Friend



NEWS



EVENTS



ACTIVITIES



PUBLICATIONS

- » The May 2017 issue of e-EPS is out! Read the editorial by David Lee, EPS Secretary General, lear...
- » News page of the Statistical...



COMMUNITY SEARCH

- ABOUT US
- MEMBERSHIP
- DISTINCTIONS
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- POLICY
- RESOURCES

Manage Profile

Profile Home

Information & Settings

Edit Bio
Update your information and choose privacy settings for individual fields.

Preferences
View and manage preferences and notification settings for your account.

Membership Card
View or print your personalized membership card.

Invoicing, Payments & History

Invoices
View, print and pay your invoices.

Event Registrations
View and print existing registrations and view past events and photos.

Membership

- MY EPS
- » Profile Home
 - » Manage Profile
 - » Create Resumé/CV
 - » Groups
 - » Networks
 - » Messages
 - » Membership Info
 - » Refer a Friend
 - Connect**



PUBLICATIONS

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Read the editorial by David Lee, EPS Secretary General, lear...

IS IT a CV ENOUGH?





**Digital footprints +
Digital shadow +
Digital trail =**



Digital Stamp

The image features a dark blue background with a grid of small, light blue squares. Two large, stylized footprints are centered, composed of a grid of these squares. The footprints are light blue with a gradient effect, appearing to glow. The text "Digital footprints" is written in a bold, white, sans-serif font at the bottom left.

Digital footprints

Digital Shadow



Digital Trail



A close-up photograph of a person's hand holding a small, black, square button. The button has the words "take" and "control" printed on it in a white, cursive font, stacked vertically. The background is a dark, solid color, and the skin of the hand is visible, showing fingerprints.

take
control



PUBLIC

PRIVATE



build your

BIO

**get a good
head shot**





WHICH PLATFORMS TO BE ON?



LinkedIn



**Research
Gate**



Scholar



Scopus



WoS

CHECK OR ESTABLISH YOUR



ORCID

Connecting Research
and Researchers

ORCID provides a persistent digital identifier that distinguishes you from every other researcher and, through integration in key research workflows such as manuscript and grant submission, supports automated linkages between you and your professional activities ensuring that your work is recognized

TOWARDS THE SOCIAL MEDIA IMPACT FACTOR



Social Media metrics	Key performance indicator	Description
Visibility	Current number of fans	The current quantitative number of followers that the page has.
Influence	Growth of mean number of fans	Average growth of the mean number of followers in the analyzed period.
Engagement	% Engagement index	The value of fan engagement with the page. It is calculated by the average number of reactions and comments per day, divided by the number of fans.
	% interactions in posts	Average value of reactions, comments, and fan shares for all posts.
	Total number of interactions	Total number of interactions (sum of reactions, comments and shares).
Reputation	% Performance index	The page performance index is a combination of the engagement index value and the page fan growth. It is an indicator of the overall strength of a Facebook page.

MY CONTACT



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