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The Engineering City Journal

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The purpose of the Journal is to disseminate knowledge, experience, and best practice in engineering & manufacturing.
The articles are written by practicing professionals in the Engineering City (EC) in Yerevan. They cover issues relevant to their projects, operations, and organizations.
The articles address the challenges of the time. As such, the Journal is also a chronicle of the evolution of the EC, its companies, and its individuals.
It is the aim of the Journal to advance the engineering & manufacturing practice, to enrich the engineering & manufacturing community, and to contribute to the worldwide discourse in engineering & manufacturing.

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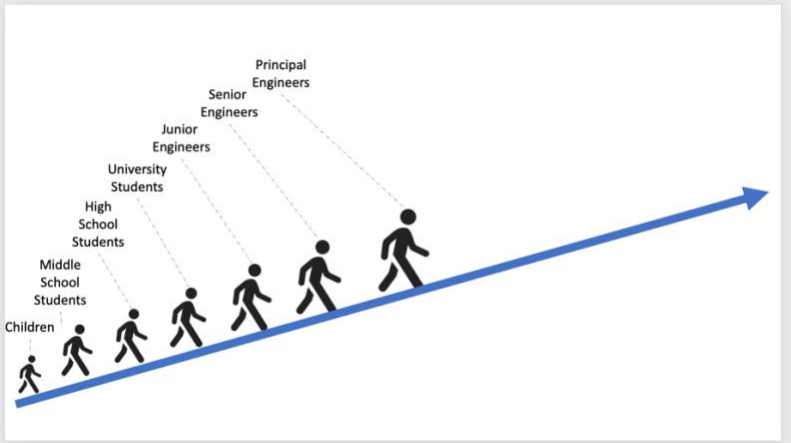
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Engineering City

. Life Span of the Engineering City

by Rama, Engineering Association

The life span of the Engineering City, like the life span of any human organization will dependent on the number of generations that are engaged in its life at any given time. The more the number of generations, the longer it will live and prosper. If we succeed in having all these 7 generations in the EC at any given time now and into the future, then the EC will have a long life to come.



Pic. The 7 Generations of the EC

EC Community News

. EC Library Re-Opens its Doors

After a long break, the EC Library has re-opened its doors.

This is a good quite room for reading and working. There is also a break-out room for small meetings.





. EC Library Receives New Books from AESA

by Rama, Engineering Association

AESA is the Armenian Engineering & Scientists of America.

Periodically, wreceive books from their members. They also support our Aerospace Engineering Master program with student scholarship and research equipment.

Here are the books that we have received -



. Collecting Bottle Caps for Children in Need





The EC Cafeteria has launched a plastic bottle caps collection campaign to finance the purchase of wheel chairs for children in need.

A massive amount of caps are being collected on a daily basis from EC companies and their families.

This is all about being a proud and responsible citizen.

Armenology

. Moving Back Home - Opening Branch Offices in the Regions

by Rama, Engineering Association

The country faces the following contradiction:

For people in the regions to have a good job they must move to Yerevan,
But, for the regions to develop, people must stay in the regions.

As such, talent is moving out of the regions into Yerevan. Population in the regions is diminishing; the population of Yerevan is increasing. More than third of the population is concentrated in Yerevan. This is by itself a strategic threat.

What if the people who work in the Yerevan-based companies move back to their regions, open branch offices of their Yerevan-based companies and work remotely from there. The technologies make this very easy. Even equipment could be operated remotely now. They can come back to Yerevan once or twice a month for general meetings.

But back home, they will not only work in the branch offices, but they will also teach in their local schools and universities, as such developing their communities and enlarging their local offices.

As such, we will have solved both problems without any trade-off – to stay in the region and develop it on one hand, and leverage a Yerevan-based work opportunity at the same time.



. Museum of Science & Technology Receives a New Artifact – РМУ (Small-sized Control Relay)

by Rama, Engineering Association

The museum has reveived a gift from Mr. Mkrtich Ishkhanyan. It is a small-sized control relay manufactured in Kapan Relay Factory.

The below information is from the data sheet that you can find on the following web site: *http://www.155la3.ru/rmu.htm*.

РМУ - (Р)еле (М)алогабаритное (У)правляющее. Старое реле, ставшее основой для разработки целого релейного семейства.

Реле РМУ - негерметичное (отметим это!) нейтральное одностабильное реле постоянного тока. Первоначально оно было разработано для самолётной техники, но диапазон применения расширился и использовалось оно в разнообразной малогабаритной аппаратуре автоматики, сигнализации и связи. Количество размыкающих, замыкающих и переключающих контактов - от одного до четырех, материал контактов - Ср999. Есть одно- и двухобмоточные версии (т.е. два независимых реле в одном корпусе).

Контакты реле выдерживают 100 000 циклов при активной нагрузке 1А/27В или 0,1А/300В постоянного тока, а также 0,1А/115В переменного тока 400 Гц. Реле выдерживает 250 ударов с ускорением до 150 g.

Реле РМУ было разработано в начале 50-х годов специалистами ОКБ-3 вместе с работниками ОГТ и ОГК питерского завода "Красная Заря"; в справке 1954 года у них ещё стоит пометка *"в массовом производстве не освоены"*. Дальнейшая модернизация производилась Ереванским релейным заводом.

Выпускала их поначалу, с 1953 года, та же "Красная Заря" (цех № 4), а далее производство было перенесено на Капанский релейный завод (Армения).





http://www.155la3.ru/rmu.htm

. Armenian Equivalents to Foreign Words, 7

Հայոց լեզուն՝ ի տարբերություն, օրինակ, անգլերենի և ռուսերենի, հետևողական պայքար է մղում ինքնամաքրման՝ փորձելով յուրաքանչյուր օտար բառի դիմաց ստեղծել դրա համարժեք հայերեն տարբերակները։

Անի Մակինյան
Հայոց լեզվի և գրականության ամբիոնի դեկավար
«Շիրակացու ճեմարան»

Օտար բառեր	Հայերեն համարժեքներ
դիկտատոր	բռնակալ, բռնապետ
դիսբալանս	անհավասարակշռություն
էլեգանտ	նրբագեղ, նրբաճաշակ
էքսկլյուզիվ	բացառիկ, եզակի, յուրահատուկ
էքստրեմալ	ծայրահեղ
թրեյնինգ	վարժանք, մարզում
լամինացիա	շերտապատում
լյուկ	դիտահոր, իջանցք

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