



# SICASA E - NEWS LETTER



Tuticorin Branch of Southern India Regional Council of The Institute of Chartered Accountants of India  
(Set up by an Act of Parliament)

*February 2011*

## SICASA Chairman's Writes:



Dear Friends,

Greetings!

Our Tuticorin branch of SIRC has been awarded with the Highly Commendable Performance Certificate by our Institute. This is the time to celebrate the achievements, we are very happy that our first resolution recognized the efforts of the management committee and all members of Tuticorin branch for their determined efforts taken and wishing them to achieve the maximum heights and thank them for the valuable programmes conducted for the students. Really this is a great achievement that out of 200 branches we have achieved and were awarded at Delhi and I'm personally happy that I was with them.

It's our pleasure that SICASA has been formally inaugurated by our SIRC chairman at our branch on 03rd February, 2010. Our friends have prepared a project report on the visit to an organic farm "TYCOON" and was released by our SIRC chairman. We congratulate them for their togetherness and their unbreakable efforts in bringing the report.

Congratulations to those who elevated from the students to members and the budding members who have gone through their CA Exams conducted during Nov '10. Our Tuticorin branch has also appreciated the students who have gone through their CA exams during the year 2010 by giving awards during the chairman's visit. For other students, "Our greatest glory is not in never falling, but in rising every time we fall". So gearing up for the future, we have the key success factors necessary to withstand the winds of assessment. The encouragements and zealous support of our members, the state-of-the-art infrastructure, which are being marked up with updated materials and equipments which are aimed only at attaining highest results.

Change is constant and change is challenging, finally friends there will be a change in this month. My office as a chairman of Tuticorin branch SICASA comes to end this month. I thank all the members for their co-operation in all ways, the students for their support and affection. I place on record my appreciation of the assistance I received from the students and staff of our branch to publish this e-News letter regularly.

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I congratulate the new chairman the best. I am positive that they will challenge the “Challenge” to enhance the value of our students and the journal.

I would conclude by quoting William Pollard

“It is the responsibility of the leadership to provide opportunity, and the responsibility of individuals to contribute”

With warm regards,

**CA.G.Manoj Rodrigo**  
SICASA Chairman

## Fourth Generation of Cellular Wireless Standards

4G refers to the fourth generation of cellular wireless standards. It is a successor to 3G and 2G families of standards. The nomenclature of the generations generally refers to a change in the fundamental nature of the service, non-backwards compatible transmission technology and new frequency bands. The first was the move from 1981 analog (1G) to digital (2G) transmission in 1992. This was followed, in 2002, by 3G multi-media support, spread spectrum transmission and at least 200 kbit/s, soon expected to be followed by 4G, which refers to all-IP packet-switched networks, mobile ultra-broadband (gigabit speed) access and multi-carrier transmission. Pre-4G technologies such as mobile WiMAX and first-release 3G Long term evolution (LTE) have been available on the market since 2006 and 2009 respectively.

A 4G system is expected to provide a comprehensive and secure all-IP based solution where facilities such as IP telephony, ultra-broadband Internet access, gaming services and streamed multimedia may be provided to users.

This article uses 4G to refer to IMT-Advanced (International Mobile Telecommunications Advanced), as defined by ITU-R..

An IMT-Advanced cellular system must have target peak data rates of up to approximately 100 Mbit/s for high mobility such as mobile access and up to approximately 1 Gbit/s for low mobility such as nomadic/local wireless access, according to the ITU requirements. Scalable bandwidths up to at least 40 MHz should be provided.[5][6]

In all suggestions for 4G, the CDMA spread spectrum radio technology used in 3G systems and IS-95 is abandoned and replaced by frequency-domain equalization schemes, for example multi-carrier transmission such as OFDMA. This is combined with MIMO (i.e., multiple antennas (Multiple In Multiple Out)), dynamic channel allocation and channel-dependent scheduling.

4G is being developed to accommodate the quality of service (QoS) and rate requirements set by further development of existing 3G applications like mobile broadband access, Multimedia Messaging Service (MMS), video chat, mobile TV, but also new services like HDTV. 4G may allow roaming with wireless local area networks, and may interact with digital video broadcasting systems.

The 4G working group has defined the following as objectives of the 4G wireless communication standard:

- § Flexible channel bandwidth, between 5 and 20 MHz, optionally up to 40 MHz.<sup>[6]</sup>
- § A nominal data rate of 100 Mbit/s while the client physically moves at high speeds relative to the station, and 1 Gbit/s while client and station are in relatively fixed positions as defined by the ITU-R,<sup>[11]</sup>
- § A data rate of at least 100 Mbit/s between any two points in the world,<sup>[11]</sup>
- § Peak link spectral efficiency of 15 bit/s/Hz in the downlink, and 6.75 bit/s/Hz in the uplink (meaning that 1 Gbit/s in the downlink should be possible over less than 67 MHz bandwidth)
- § System spectral efficiency of up to 3 bit/s/Hz/cell in the downlink and 2.25 bit/s/Hz/cell for indoor usage.<sup>[6]</sup>
- § Smooth handoff across heterogeneous networks,<sup>[12]</sup>
- § Seamless connectivity and global roaming across multiple networks,<sup>[13]</sup>
- § High quality of service for next generation multimedia support (real time audio, high speed data, HDTV video content, mobile TV, etc.)<sup>[13]</sup>
- § Interoperability with existing wireless standards,<sup>[14]</sup> and
- § An all IP, packet switched network.<sup>[13]</sup>
- § Femtocells (home nodes connected to fixed Internet broadband infrastructure)

By  
**Mr.Santosh Kumar Singh**  
(CA IPCC Student – ERO 0107878)

## Six Ways to Refresh Your Mind

Here are six ways I've discovered to refresh the mind—six ideas to offer mental or intellectual refreshment. Some of them would work better for someone who needs the refreshment of a little intellectual stimulation, while others would work better for someone whose mind is on overload and needs to find some intellectual rest.

- 1. Music**
- 2. Recreation**
- 3. Physical exercise**
- 4. Mental exercise**
- 5. Find a friend.**
- 6. Prayer and Bible study.**

## **"Eleven Hints for Life"**

1. It hurts to love someone and not be loved in return. But what is more painful is to love someone and never find the courage to let that person know how you feel.
2. A sad thing in life is when you meet someone who means a lot to you, only to find out in the end that it was never meant to be and you just have to let go.
3. The best kind of friend is the kind you can sit on a porch swing with, never say a word, and then walk away feeling like it was the best conversation you've ever had.
4. It's true that we don't know what we've got until we lose it, but it's also true that we don't know what we've been missing until it arrives.
5. It takes only a minute to get a crush on someone, an hour to like someone, and a day to love someone-but it takes a lifetime to forget someone.
6. Don't go for looks, they can deceive. Don't go for wealth, even that fades away. Go for someone who makes you smile because it takes only a smile to make a dark day seem bright.
7. Dream what you want to dream, go where you want to go, be what you want to be. Because you have only one life and one chance to do all the things you want to do.
8. Always put yourself in the other's shoes. If you feel that it hurts you, it probably hurts the person too.
9. A careless word may kindle strife. A cruel word may wreck a life. A timely word may level stress. But a loving word may heal and bless.
10. The happiest of people don't necessarily have the best of everything they just make the most of everything that comes along their way.
11. Love begins with a smile, grows with a kiss, ends with a tear. When you were born, you were crying and everyone around you was smiling. Live your life so that when you die, you're the one smiling and everyone around you is crying.

## **Best Life Quotes**

**"When one door closes, another opens; but we often look so long and so regretfully upon the closed door that we do not see the one that has opened for us."**

By

**Mr.S.S.SASI**

(CA IPCC Student – SRO 0289964)

# **SICASA CONGRATULATION**

## **New Chartered Accountants**



**P. Prasanna Vaz**



**R.X. Mike Augustus Richards**



**B. Stalin**



**R. Jeyarajan**



**R. Pandikumar**

## **Awarded Highly Commended Performance Certificate for Best Branch - 2010**



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## Office Bearers 2011 – 2012



**CA K. Ponpandi Inbarasu**  
Chairman



**CA K. Xavier Raj**  
Vice Chairman



**CA J. Ignatius Maria Arul Roy**  
Secretary



**CA S. R. Sivakumaar**  
Treasurer



**CA H. Raman**  
Member



**CA G. Manoj Rodrigo**  
Member & SICASA Chairman



**CA. Gopal Krishna Raju - Ex Officio Member, Chennai**