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Essential role of personal assistance for people with NMD

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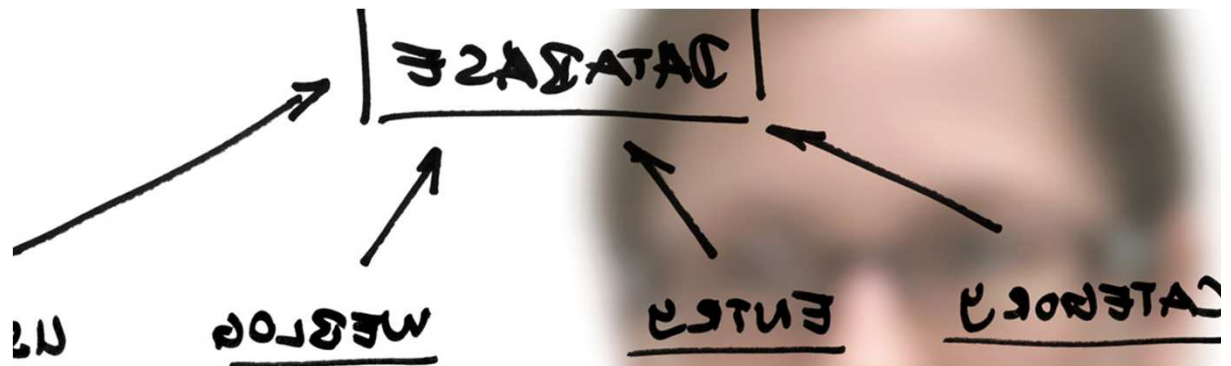
Milan, September, 2010

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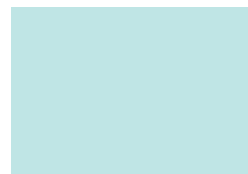
1. About myself

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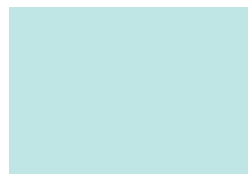
QUESTION:

You know what was my preferable place to read books when I was 6 years old?



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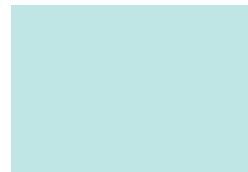
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- **2009** further education: MSc in Logistics



ILLUSTRATIVE EXAMPLE THE SOURCE CODE

```
Private Function NarediPodatkovnoTabelo_dgvVoznje(Optional ByVal
xZacetnaCrkaPriimka As String = "") As DataTable
    Dim table As New DataTable
    table.Columns.Add("id", GetType(String)) '0
    table.Columns.Add("Uporabnik", GetType(String)) '1
    If xZacetnaCrkaPriimka = "" Then
        SQL = "SELECT id,uporabnik FROM prevozi.voznja where
DATE_FORMAT(datum_odhoda,'%Y-%m-%d')=" +
SpremeniSTRdatumVMySQLObliko(dtpDatumPregleda.Value) + " order by
ura_odhoda, uporabnik;"
    End If
...
    Catch myerror As MySql.Data.MySqlClient.MySqlException
        myReader.Close()
        MsgBox("NAPAKA:" + Chr(10) + Chr(13) + gNapakaGeneral +
Chr(10) + Chr(13) + Chr(10) + Chr(13) + "class= " + Me.Name + Chr(10) +
Chr(13) + "procedura/funkcija=" +
System.Reflection.MethodBase.GetCurrentMethod.ToString,
MsgBoxStyle.Critical)
        Application.ExitThread()
    End Try
End Function
```


2. Personal assistance

- Spinal Muscular Atrophy
- Never lived independently
- Physical help of parents, relatives, friends,...

+

- Almost everything CAN be done

-

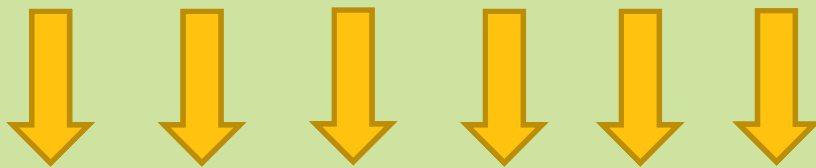
- Always in forced interaction



2. Personal assistance

- Doubt in absolutivity of PA:
 - ✓ illness,
 - ✓ personal character of PA,
 - ✓ conflict of interests,
 - ✓ moral & ethical issues,...

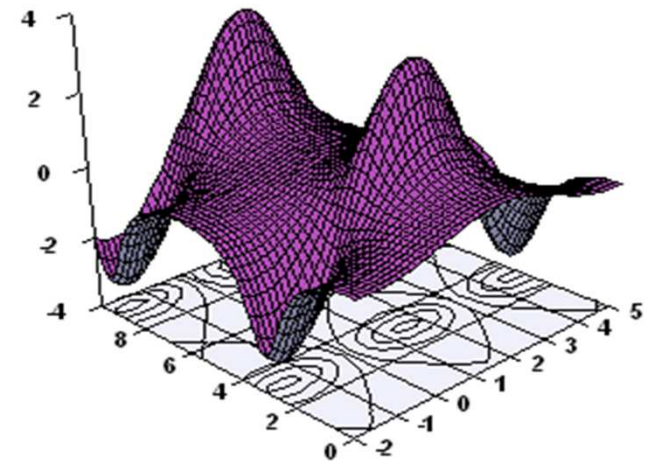
ALTERNATIVE



? # * % \$? !

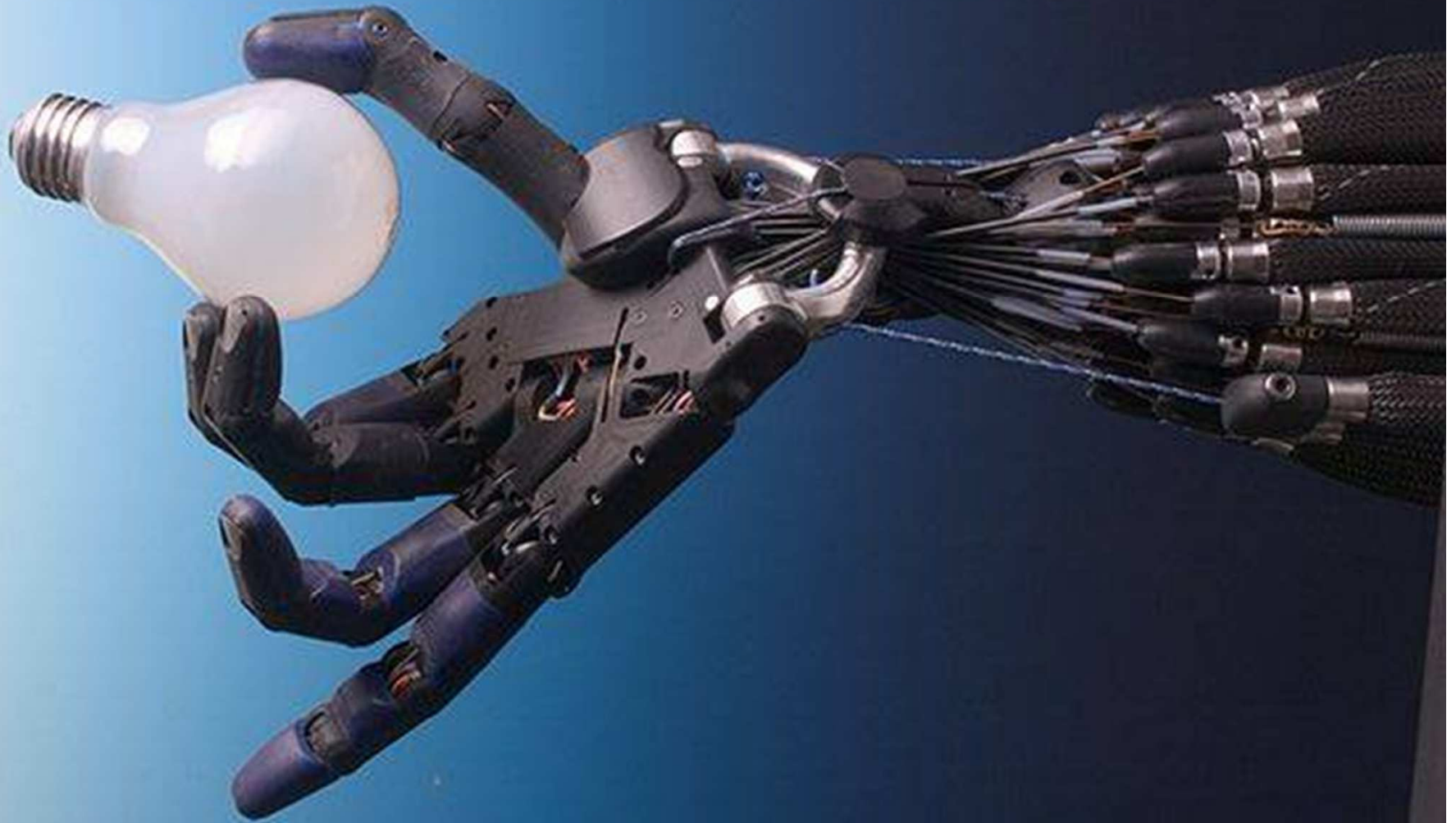


$$z = \sin(x)/(a + \cos(y))$$

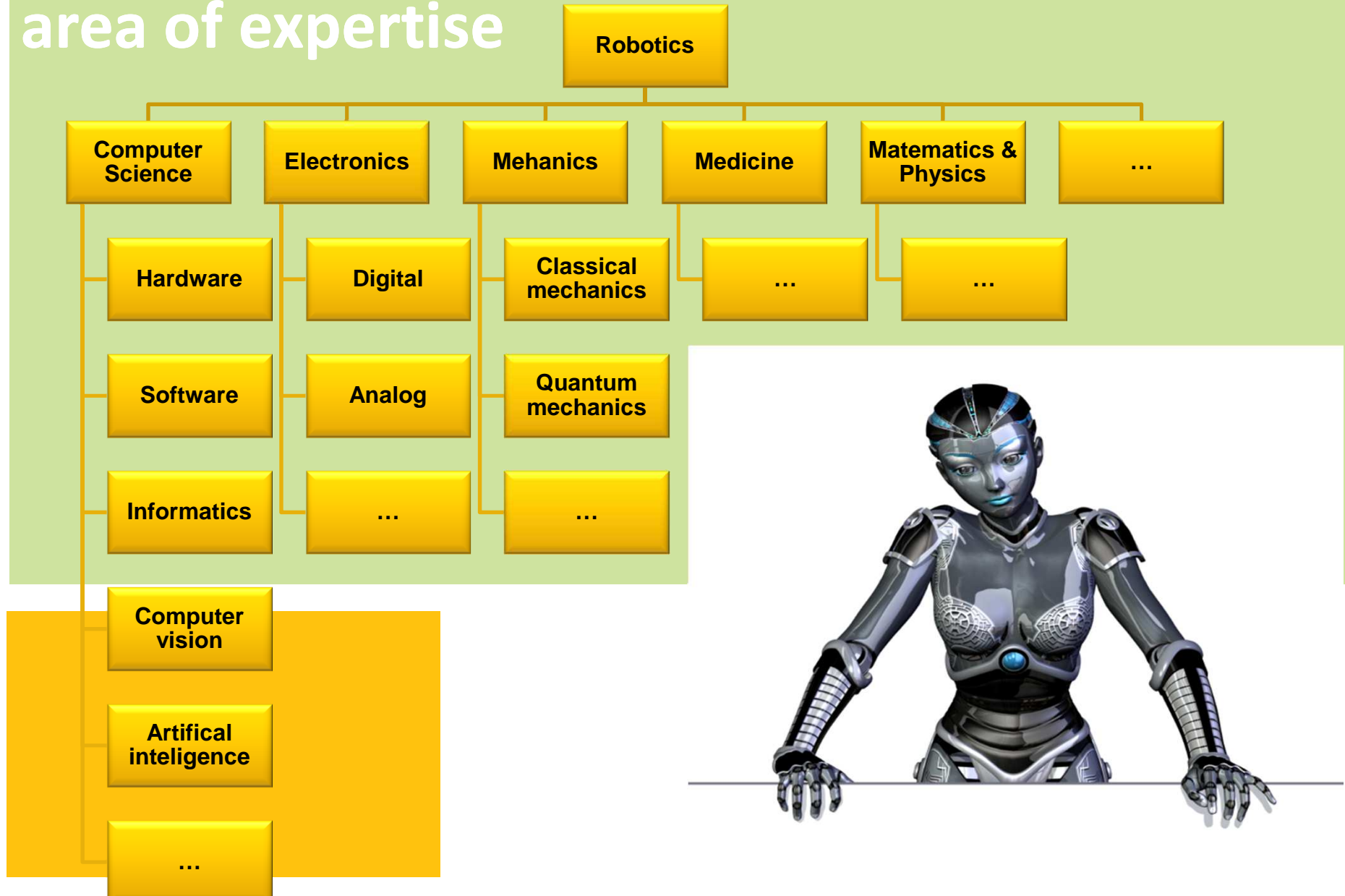


? # * % \$? ! =

ROBOTICS



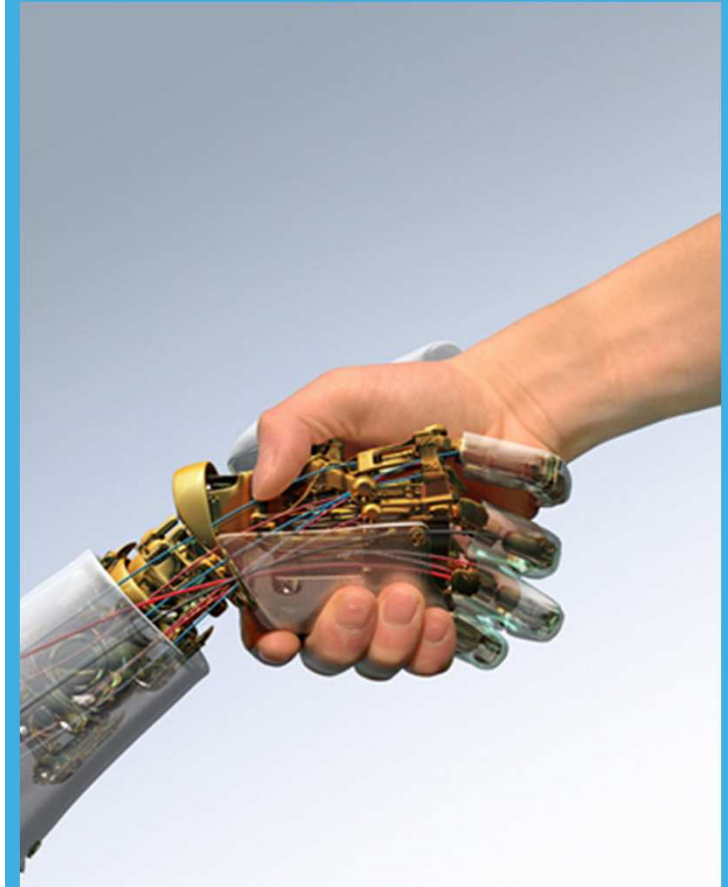
3. Robotics: Multidisciplinary of different area of expertise



3. Robotics:

- **robot-assistive operations** where humans and robots work *side-by-side* and each must adapt to the actions of the other.
- VIDEO EXAMPLE:

JAEKO
Orthopedic





What a strange robot on my right side...

Thank you!