ERRATA in the first edition (Chapters 8-14)

Page 216, Eq. 8.13:

The equation should read:

\[ LR = \frac{P(x = \beta | SN)}{P(x = \beta | N)} = \exp \left( -\frac{1}{2} \left[ |\phi_{G}^{-1}(\rho_{H})|^2 - |\phi_{G}^{-1}(\rho_{FA})|^2 \right] \right) \]

Page 230, Chapter 8:

“called multisensory integration (discussed further in chapter: Impaired Hearing and Sound Localization)” should read:

“called multisensory integration (discussed further in chapter: Multisensory Integration)”

Page 242, Problem 8.5:

(a) The question refers to Eqn. (8.33) instead of Eqn. (8.32).
(b) ….. azimuth (\( \Delta n \)) should be: ….. azimuth (\( \Delta m \))

Page 249, Chapter 9: Eqn. 9.2b

\[ V_{pk}(R) = V_{pk,(R=1)} \cdot R \] should read: \[ V_{pk}(R) = V_{pk,(R=1)} \cdot R \]

Page 282, Chapter 10: Eqn. 10.12

The equation for \( x \) should read:

\[ x = A \cdot \left[ \exp \left( \frac{u}{B_u} \right) \cdot \cos \left( \frac{v}{B_v} \right) - 1 \right] \]

Page 318, Chapter 11: Fig. 11.8

The third column, third row should read:

\[ T_{H,1} = T_H^* - \Delta H_1^* \]
Page 374, Chapter 13: Eqn. 13.14

The right-hand part of the equation should read:

$$\sigma_{RM}^2 = \frac{\sigma_5^2}{[1 + (\sigma_5^2/\sigma_P^2)]^2}$$

Page 376, Chapter 13: Eqn. 13.19

The right-hand part of the equation should read:

$$S_{R,Az} = \frac{S_{Az}}{[1 + (S_{Az}/S_P)]^2}$$

$$S_{R,El} = \frac{S_{El}}{[1 + (S_{El}/S_P)]^2}$$

Page 376, Chapter 13: Eqn. 13.20

The right-hand part of the equation should read:

$$\frac{S_{R,El}}{S_{R,Az}} = \frac{S_{El}}{S_{Az}} \cdot \left[\frac{1 + (S_{Az}/S_P)}{[1 + (S_{El}/S_P)]^2}\right] > 1$$

(note that substituting for azimuth $S_{Az} = 0.7^2$ and for elevation $S_{El} = 2.5^2$ still yields about 12.7 for the expression, which is still much larger than seen in the data).

Page 409, Chapter 14:

The caption of Figure 4.10 should read:

(Source: After Veugen et al., 2016b, with kind permission Elsevier).

Page 412, Chapter 14: References

- The reference by Veugen et al. has now been published as:

Ear Hearing 37, 260-270, 2016a.

- The following reference should be added:
Veugen L.C.E., Hendrikse M.M.E., Van Wanrooij M.M., Agterberg M.J.H.,
Chalupper J., Mens L.H.M., Snik A.F.M., Van Opstal A. J.
Horizontal Sound Localization in Cochlear Implant Users with a Contralateral